

ORP Project Managers Meeting
June 22, 2010
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

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J.D. Young	ORP	H6-60
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R.K. Biyani	Ecology	H0-57
T.Z. Gao	Ecology	H0-57
J. J. Lyon	Ecology	H0-57
J. D. McDonald	Ecology	H0-57
D.W. Mears	Ecology	H0-57
J. Price	Ecology	H0-57
F. Beranek	WRPS	R2-50
J.W. Donnelly	WRPS	R1-51
J. J. Luke	WRPS	R1-51
P. E. Peistrup	WRPS	R1-51
S. L. Moore	MSA	H8-12
R. E. Piippo	MSA	H8-12

ADMINISTRATIVE RECORD – Heather Childers (two copies): H6-08

Please send comments on distribution list to Woody Russell (Woody_Russell@orp.doe.gov).

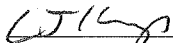
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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.



Bob Lober, DOE-ORP

Date: 7/27/2010



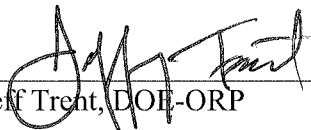
Chris Kemp, DOE-ORP

Date: 7-26-10



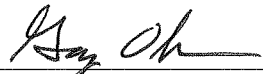
Wahed Abdul, DOE-ORP

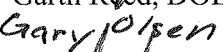
Date: 7/27/10




Jeff Trent, DOE-ORP

Date: 7/27/10




Garth Reed, DOE-ORP

Gary Olsen

Date: 7/27/10



J. Lyon, Project Manager,
Washington State Department of Ecology

Date: 9-27/10



J. D. McDonald. Project Manager,
Washington State Department of Ecology

Date: 7/27/10

Purpose: ORP Project Managers Meeting

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1.0 Administrative Items

Previous month's Project Manager Meeting minutes (from 4-27-10) provided for approval.

Consent Decree (CD) Status: Responses to public comments are being finalized. The Department of Justice and DOE are fairly close to completing them. ORP is looking at revisions to the monthly Project Summary to be consistent with the CD. New milestones will be in more of a presentation format similar to what RL uses. It was noted that the CD relies on the monthly meetings and status report in lieu of abundant correspondence. Ecology noted that if there are issues with the new format they will provide comments that will need to be resolved. They also wanted to be sure they would have time to review the report prior to the meeting.

It was noted that the PMM's have 'fallen off' of everyone's calendars. Woody Russell took an action **(100-193)** to schedule this meeting for the future. Ecology also asked that the list of Action Items accompany that meeting notice reminder each month.

Action Items will be addressed at the end of each portion of the report. Attachment A is the current remaining open actions. Closed actions will be carried until the next monthly meeting.

The list of attendees for the June 22, 2010 PMM is provided as Attachment B. The Monthly Milestone Review Meeting Status Report and handouts are provided as Attachment C. The draft status report was provided to Ecology electronically on June 15, 2010. No comments were received.

The next PMM is scheduled for July 27, 2010.

The next Quarterly Milestone Review Meeting is scheduled for August 19, 2010.

Administrative Record Items (Attachment D)

A handout for the Status of Red-tagged Piping in PT (Pre-Treatment Facility) was provided as closure for Action Item 100-187.

2.0 Review of the ORP Project Summary Discussion Agreements and Commitments (Attachment C, Project Summary/Handouts)

Tank Farms

M-45-55: ORP provided Ecology a final RFI update on April 22, 2010. Since they have not heard from Ecology regarding extensions, ORP assumed this is approved per Figure 9-1 of the TPA. Ecology noted this was approved contingent upon being included in Phase 2 of the Master Work Plan. Ecology noted ORP has not responded to Ecology's letter on the Master

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Work Plan (dated June 2, 2010). Both parties agreed this issue needs to be resolved and took an action to set up a meeting on the Master Work Plan for M-45-55. This meeting will also address M-45-58 issues (**Action 100-194**).

M-45-56E: This should close next month as it was agreed to and dispositioned in the January 2010 meeting. This will come off the report in August and ORP will work to M-45-56F.

M-45-56F: The annual meeting for this milestone was held on June 9, 2010, draft meeting minutes were reviewed and all completed actions were discussed. It is anticipated all action items will be complete in 2011. ORP has a deliverable to send the meeting minutes to Ecology in July 2010.

M-45-60: Update to the work plan is underway and will entail 3 issues; an approach schedule, use of additional electrodes, and the revised sample time-line schedule. Ecology noted one significant item is the disclaimer language. Even though this is standard language, EPA and Ecology have a concern with the technical reliability and QA issues. ORP stated they believe it meets regulatory requirements but Ecology notes the data is applicable to standards other than RCRA (e.g. CERCLA) and the disclaimer takes away from this rigor and confidence. ORP states the language has been standard and they were unaware of Ecology's interpretations. Ecology wants to understand ORP's position but it is EPA's position the work plan is not the place to do this. A meeting needs to be set up to discuss the disclaimer language (**Action 100-195**) with the goal to ensure all data meets all requirements.

Regarding the scope within the work plan addressing the beryllium portion in C-110, Ecology noted they have concerns with Advanced Technical Laboratory's QA/QC process. There were four holding time issues on characterization for organics. ORP stated they are trying to handle the lab's time more closely and that the data may be reviewed but it is up to the data user if they want to use it. The balance of the milestone still reflects what is in the TPA as revised by the CD.

Significant Accomplishments:

TY Interim Barrier: ORP stated the drainage basins have been placed and asphalt will be placed next month. Ecology noted that during the recent assessment conducted on this activity, the construction site looked good and everything appeared to be in order; there were minor issues with paperwork due to the field conditions. Other projects also stated how much they appreciated their assistance during the recent dust storm.

Completed driving I, R, and U locations at C Farm with two rigs. Finished S-SX characterization with no significant load of technetium-99 (Tc-99) and minor around the catch tank. The conditions of nitrate are similar to the tank farms. ORP noted they surveyed for just Tc-99 and nitrate. Ecology asked what ORP will use for gauging future pushes. ORP stated they are looking at well-to-well surveys, and at further resolution at S/SX. ORP noted they have a barrier in place at A/AX and an analysis done.

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Ecology wants to add that they have received approval from the Region 10 office to provide support on soil characterization work to make sure all CERCLA requirements are met. They asked that ORP provide Rebecca Gerhart all appropriate documents and to put her on copy for future correspondence.

Significant Planned Actions:

The direct push characterization approach plan was released for BY. A meeting needs to be set up on the 3-D SGE survey exploring the proof-in-principle from C Farm (**Action 100-196**). ORP is planning to perform inspections to look for leaks from pipelines as they have no historical information on them. Have received concurrence from Ecology on the approach for the interim barrier study.

An update for C-Farm is needed to determine what the status of SGE is and to evaluate where to push. ORP noted they are using electrodes wherever they push. A meeting is already set up for 6-24-10 to discuss coordination on this issue (coordinate with Mike Connelly).

M-45-00: This milestone is being renegotiated per the ORP Consent Decree, Change Package M-45-09-01.

Significant Accomplishments:

Previous pump had nitrogen seal system that was unreliable and a decision was made to place a new pump in AN-101. C-104 arm has two end effectors, one with a hook and the other a back stop. This allows for spraying the slurry into the backstop and pumping it out. ORP stated the TSAP for C-110 is being drafted but Ecology noted they have not seen it. The issue is how they are analyzing for the risk constituents. ORP also noted the vent specification has been approved.

C-Farm Life-Cycle Baseline: ORP stated they would have a sampling period to learn what happened with C-108 and C-109. WRPS has proposed removing some hard-to-retrieve heel activities in a budget change request. Ecology asked if ORP agrees with that request and they said yes. ORP and Ecology need to come to agreement on which tanks need to be sampled based on the budget request. Part of this discussion is to determine if some samples will not be taken. Ecology also wants to know the status of C109 and C-110. ORP is developing a risk-based retrieval method data report to look at sampling results. Ecology noted it may take some time for them to evaluate the results of ORPs C-108 and C-109 review.

Ecology stated we need to come to some agreement on which tanks to sample. ORP noted they would be sampling on C-109 and C-110 later this summer and that the analysis would be done in FY 2011. An action was taken to have a discussion on which tanks to sample and the C-110 TSAP and sampling of risk constituents (**Action 100-197**). Ecology asked that this discussion take place before the next PMM.

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and an exception request was submitted

Tank 241-C-106 was retrieved to ~~<360 ft³~~. Ecology asked if ORP can answer the questions from the Nuclear Regulatory Commission (NRC) based on residual waste. ORP noted the Planned Actions report will address NRC's questions, but that is not scheduled to be published until late 2011 or early 2012 time frame.

ORP stated that although they have tried several methods to retrieve the residual waste (heel) in Tank 241-S-102, they need more experience with heels as it is a difficult material to work with.

Milestones M-45-13A through D will change with the Consent Decree. ORP is using existing risers in the tanks to assist in retrieval. They are adding a 42" riser to assist in digging the soil around C-107; soil digging will start 9-1-10 and placement of the 42" riser to allow the installation of the mobile arm retrieval system. ORP should know more after the bi-weekly meeting on 6-23-10. An action was taken for ORP and Ecology to meet after 7-12 on the whole process of digging around C-107 and to explain the cutting process (**Action 100-198**).

ORP stated they did not intend to go back into S-102 until they get more experience and Ecology asked for replacement work for the work that was to be done on that tank.

ORP noted and Ecology agreed that the weekly meeting with WRPS satisfies Action 100-188 regarding installation of the hydraulic arm in C-104 and the C-108 hard heel retrieval system.

Action 100-189 requested input to Ecology on the critical path for A-AX Farms. Ecology stated that if ORP is going to do an SGE Survey they need to know if it will be an issue. ORP needs to inform Ecology of the retrieval schedule of the next 9 tanks or if there will be a second soil investigation study. ORP stated they were going to modify the TWRWP for C-105.

Interim Stabilization Consent Decree: ORP noted the facility is still in an electrical outage but this is supposed to be fixed by next week. Ecology asked if they can continue to do evaporator work and ORP said yes and they will send a letter to Ecology on this status when management deems it appropriate.

In Tank Characterization and Summary: Sampling of Tank AN-101 is scheduled to be done on second shift today. AN-107 grab samples are completed; there are a number of samples scheduled for July. The grab sample for 241-C-110 is scheduled for mid-August. On the BBI Updates, Ecology asked where the three new tanks came from and ORP stated they were going to do chemistry sampling on three additional tanks.

ORP noted the favorable Cost Variance is primarily due to not having the manpower and lower G&A costs resulting in ARRA underruns. Ecology asked that ORP plan through the end of August. ORP will send Ecology information on staffing to address Action 100-181.

242-A Evaporator Status: ORP noted there is one evaporator campaign planned for August. Ecology asked that we add this issue to the agenda for the next meeting. Also, it was requested

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that we move M-47-00, M-90-00, and M-62-00 to before the break on the agenda and give it five minutes total (**Action 100-199**).

Waste Treatment Plant

Pre-Treatment Facility: Permit modifications are being worked as engineering information on vessels is obtained so this work can be bundled. Ecology noted there is a lack of information on what the changes will be and that they have not seen what is going to be bundled. ORP explained there are a number of changes having to do with M3; 10 vessels need modifications to change the nozzle direction. Ecology asked about getting a listing with all vessels and seismic information in order to know the full scope of the impacts. ORP stated that placing all of M3 into a schedule will be done in September and a presentation will be made to Ecology with the schedule of what will be done and when.

The overall schedule design analysis will start approximately the end of this year and will be going on throughout next year. In addition, there are PJM structural modifications for many more vessels. This scope is contingent on the successful closure of M3.

ORP is working on comment resolution of the Newtonian vessels and believe they will be able to close this month. ORP is not sure if they will be able to close the non-Newtonian; it is unsure if additional testing will be needed or if the analysis will answer the questions. Ecology asked how these packages are extrapolated and ORP stated it is part of technical feedback.

Larger scale testing will be done sometime in the future in conjunction with tank farms or cold commissioning. Issue is how and when this testing will take place. Ecology asked how large is 'large' and ORP said that is not decided yet.

A meeting is scheduled for 7-19 with the Defense Nuclear Facilities Safety Board to discuss issues from the HIRT. ORP will be briefing the board on resolution of those issues and will have a path forward. Piping is the main concern because there is so much of it.

ORP has implemented a number of lessons learned, initiated some automated welding, and in the last month has improved performance to above 1.

A handout was provided to address Action 100-187 and ORP noted that the red-tagged piping is not affecting piping installation.

Ecology asked if the piping hanger modifications have been designed yet. ORP stated that as the installation of the hangers is scheduled the modifications are being done. Ecology asked if the seismic issues are related to ground motion and ORP stated yes. Ecology also noted that the permitting decisions state "Undetermined Quality." ORP explained this could mean the issue has not been evaluated yet. ORP noted they are changing from Q to commercial grade designation (CGD) for material. Ecology asked if commercial grade is as good as Q and ORP provided information on how and why CGD is done. Ecology asked ORP to send the

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procedure for this process to them (**Action 100-200**). At one time there was a PAAA action on BNI's CGD system, but those issues have been resolved and it is considered a good system now.

High Level Waste Facility: ORP noted the facility is on track and some things are ahead of schedule. Ecology asked for clarification on exactly what 51% complete means. The Filter Cave seismic analysis should be completed by next week. The calculations are being done real time and ORP does not expect any changes.

Ecology noted there is still old news in this report (information from March and April) and asked that ORP please look at how it is written and provide up-to-date information at the next PMM. Ecology also noted that the QA on the report does not appear to be as good as it could be. ORP stated they will work harder on getting the next report more up to date.

Low Activity Waste: The award for the Thermo Catalytic Oxidizer is scheduled for July 12. The heat dissipation issues for the annex roof have been resolved with no changes in material. Ecology asked if the extension of time in the procurement process would create any change in the critical path. ORP stated that if they do more clarifications up front they do not anticipate losing any time. Fabrication of the Melter 2 lid and balance of components is complete.

Analytical Laboratory (LAB): BNI engineering has completed all calculations and created a path forward for vendor evaluations. Ecology commented on the "Work coordination will be crucial..." sentence and asked if this was an ongoing issue. ORP stated this refers to the need to fit work in with other activities going on. Ecology asked when they would know if this will impact completion dates and ORP noted they should know by the end of July or August.

Balance of Facility: ORP is planning to release the hold on the Emergency Diesel Generator procurement on June 29, 2010 and noted they have 3-4 bidders. Ecology asked if they have enough margin in the risk calculations. ORP stated this generator design is sufficient to handle normal load risk. A final report from WRPS is expected the middle of July; ORP received a draft on 6-14-10.

3.0 Agreements:

No formal agreements were made at this PMM. Various commitments by ORP and Ecology are captured in Section 2.0 of these meeting minutes.

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Attachment A: Action Tracking
(4 pages including this cover sheet)

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Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-167	ORP	W. Russell	General	Develop spreadsheet of document deliverables, scheduling tool of when due, status of Ecology review	3-23-10	
X	100-170	ORP	R. Lober	Tank Farms	Provide Ecology with meeting minutes for approval on M-45-56F mtg. held 4-6-10.	4-27-10	Closed: 6-22-10
X	100-171	ORP/ ECY	J. Lyon/ R. Lober	Tank Farms	Ecology and ORP agree on a date in July to meet on M-45-56F.	4-27-10	Closed: 6-22-10 Meeting held on 6-9-10.
X	100-172	ORP	R. Lober	Tank Farms	Provide Ecology with meeting minutes for approval on characterization schedule in WMA C mtg. held 4-26-10.	4-27-10	Closed: 6-22-10 This is documented in the May PMM (Quarterly) Summary
X	100-173	ORP	R. Lober	Tank Farms	Provide Ecology with approved meeting minutes from Actions 170 and 172 at next PMM.	4-27-10	Closed: 6-22-10
X	100-174	ORP/ ECY	J. Lyon/ R. Lober	Tank Farms	Set up a meeting on 4-29-10 with Ecology on Corrective Measures Study for WMA C.	4-27-10	Closed: 6-22-10 Meeting held 4-29-10
X	100-175	ORP	C. Kemp	Tank Farms	Provide Ecology a date for beginning digging around C-107.	4-27-10	Closed: 6-22-10 A date of 9-1-10 was provided.
O	100-176	ORP	C. Kemp	Tank Farms	Within 30 days after the CD is signed, set up a meeting to discuss the M-45-15A-D and M-45-13A-D milestone path forward.	4-27-10	M-45-05A and M-45-03A(?) will be removed by CD. M-45-15 and M-45-13 will remain in CD.
O	100-177	ORP	J. Long	Tank Farms	Provide Ecology with the WRPS evaluation report on S-102.	4-27-10	Remains open, is related to CD.
O	100-178	ORP	J. Long	Tank Farms	Once the report from Action 100-177 is received, schedule a meeting with Ecology.	4-27-10	Pending proposed CD.
X	100-179	ORP	J. Long	Tank Farms	Ensure Ecology (M.Barnes) is on transmittal cc: list for Compatibility DQO reports.	4-27-10	Closed: 6-22-10

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Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-180	ORP	J. Diediker	Tank Farms	Provide Ecology with all areas doing Drawing Reconstitution activities.	4-27-10	Will double check to see if there is a list.
X	100-181	ORP	J. Diediker	Tank Farms	Provide Ecology (J.Lyon) with detailed budget data.	4-27-10	Closed: 7-2-10 Based on email dated 7-2-10.
X	100-183	ORP	J. Young/ W. Abdul	WTP/PT	Provide Ecology with information on scheduling activities that support the permit; provide more detailed information on CXP/MAR/HPAV activities; and provide a list of items to review.	4-27-10	(Note: combined w/100-182) Closed: 7-14-10 ORP/BNI met with ecology and discussed CXP/MAR/HPAV
X	100-187	ORP	W.Abdul	WTP/LAW	Provide Ecology with a determination if the piping red-tags result in a trend.	4-27-10	Closed: 6/22/10 Handout provided at meeting.
X	100-188	ORP	C. Kemp	Tank Farms	Provide Ecology a briefing on installation of hydraulic arm for C-104, and C-108 Hard Heel Retrieval System.	5-20-10	Closed: 6-22-10
O	100-189	ORP	C. Kemp	Tank Farms	Provide Ecology a briefing on the Critical Path for A-AX Farms	5-20-10	Waiting for revised write-up from Kemp.
O	100-190	ORP	T. Fletcher	Tank Farms	Provide an explanation to the Tribes of the process for the 242-A Evaporator Campaign and the MARS	5-20-10	
O	100-193	ORP	W. Russell	General	Schedule future PMMs on attendees Outlook calendars.	6-22-10	
O	100-194	ORP	R. Lober	Tank Farms	Set up meeting on Master Work Plan for M-45-55; also address M-45-58 issues.	6-22-10	
O	100-195	ORP	R. Lober	Tank Farms	Set up meeting to discuss M-45-60 Work Plan disclaimer language.	6-22-10	

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Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-196	ORP	R. Lober	Tank Farms	Set up meeting on 3-D SGE survey proof-in-principle from C Farm. Include iodine tech issue.	6-22-10	
X	100-197	ORP	C. Kemp	Tank Farms	Have discussion on which tanks to sample, the C-110 TSAP, and sampling of risk constituents. (NOTE: Ecology requested this take place prior to next PMM.)	6-22-10	Closed: 7-16-10 Meeting held with WDOE (Mike Barnes) on 7-15-10.
X	100-198	ORP	C. Kemp	Tank Farms	Meet after 7-12-10 to discuss process of digging around C-107 and to explain the cutting process of riser.	6-22-10	Closed: 7-16-10 Meeting held with WDOE on 7-15-10.
O	100-199	ORP	G. Trenchard	242-A Evap	Put this issue on agenda. Also move M-47/90/62 to before break on agenda.	6-22-10	Complete pending approval of draft Project Summary for 7-27-10.
O	100-200	ORP	W. Abdul	WTP/PT	Send Ecology procedure on how and why CDG is performed.	6-22-10	Currently working, will provide status at the meeting.

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**Attachment B: List of Attendees
(3 pages including this coversheet)**

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ATTENDANCE LOG

DATE: 6-22-10 PURPOSE: ORP Manager's Monthly Milestone Review Meeting

[illegible]

ATTENDANCE LOG

[illegible]

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Attachment C: Presentation Materials

**ORP TPA Project Summary and Handouts
(70 pages including this coversheet)**

Office of River Protection

**Tri-Party Agreement
Monthly Milestone Review Meeting
June 22, 2010**



U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

Agenda

Office of River Protection
Tri-Party Agreement
Monthly Milestone Review Meeting
June 22, 2010
9:00 a.m. – 11:30 a.m.

Page	Topic	Leads	Time
3	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:00
6	M-45-00, Complete Closure of All Single-Shell Tank Farms	Chris Kemp / Jeff Lyon	9:15
22	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:35
23	In Tank Characterization and Summary	John Long / Michael Barnes	9:40
XX	M-62-40, Tank Waste System Plan	Ron Koll / Dan McDonald	9:45
24	FY 2010 ORP TPA Cost & Schedule Performance	Janet Diediker / Dan McDonald / Jeff Lyon	9:50
	BREAK		
28	TPA Milestone Statistics	Woody Russell / Dan McDonald / Jeff Lyon	10:05
48	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Ben Harp / Michelle Hendrickson	10:10
50	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Ben Harp / Dan McDonald	10:15
51	M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Ben Harp / Dan McDonald	10:20
53	WTP - BNI Cost & Schedule Performance for Immobilization Plant Project	Wahed Abdul / Jeff Trent / Garth Reed / Dan McDonald	10:30

Milestone M-45,-50,-60 Single-Shell Tank Corrective Action

I. Near-Term Deliverables:

- **M-45-55, Submit to Ecology for Review and Approval as an Agreement primary document a Phase 1 RFI Report**
Due: 1/31/08
Status: Complete. RFI in primary document revision process. DOE revised RFI, based on Ecology comments and resubmitted to Ecology on 10/07/09 with final rev 1 update provided to Ecology on April 22, 2010 (10-TPD-036).
- **M-45-56E, Complete Implementation of Agreed to Interim Measures**
Due: 07/31/09
Status: Complete. ORP and Ecology met on July 21, 2009 to discuss completed FY2008 interim measures and future FY2009 anticipated activities. July 2009, meeting minutes drafted and jointly reviewed with signature obtained at January 2010 PMM.
- **M-45-56F, Complete Implementation of Agreed to Interim Measures**
Due: 07/31/10
Status: Meeting scheduled with Ecology on April 6, 2010 to discuss S/SX characterization results for potential barrier placement. Meeting minutes of proposed future barrier placement reviewed and signed with Ecology on May 10, 2010 and was submitted at May 2010 PMM. Ecology established a date of June 9, 2010 for M-45-56F annual meeting. ORP provided a draft agenda and meeting minutes will be generated and submitted for review.
- **M-45-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan**
Due: 12/31/08
Status: Complete. Master Work Plan is in the Primary document revision process. DOE provided comment resolutions to Ecology on 10/13/09. Ecology provided clarification to comments by letter on December 10, 2009. ORP provided updated Master Work Plan, based on January 6, 2010 Ecology meeting on proposed comment responses on March 11, 2010. Ecology provided conditional approval, but requested additional information in a letter dated June 2, 2010.
- **M-45-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C**
Due: 12/31/08
Status: Complete. ORP updated RFI/CMS Workplan and Sampling and Analysis Plan based on Ecology comments and resubmitted to Ecology, with approved Ecology RCRs on November 2, 2009 (letter 09-TPD-118). Ecology approved the Work Plan on March 29, 2010 and requested meetings to discuss

characterization schedule in WMA C. Follow on meeting with Ecology occurred on April 26, 2010. Meeting minutes were submitted at May 2010 PMM with attached characterization schedule. Ecology has requested submittal of an update to the plan including a revised schedule by July 31, 2010.

- **M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C**

Due: 12/31/10

Status: At Risk. See issues below. Proposed milestone M-045-61 (HFFACO Change Control Form M-45-09-01) will revise the due date for this document to 12-31-2014.

- **M-45-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan for WMA C**

Due: 7/31/12

Status: At Risk. See issues below. Proposed milestone M-045-62 (HFFACO Change Control Form M-45-09-01) will revise the due date for this document to 6-30-2015.

II. Significant Accomplishments:

- T-Farm interim barrier monitoring continues; annual monitoring report issued.
- TY Interim Barrier Construction Continues.
 - Monitoring equipment for the TY barrier has been placed.
 - Evapo-Transpiration basin excavation underway, liner is in place and backfilling underway.
- Continued direct push characterization in C Farm at various planned locations
- Continued Direct Push in support of interim barrier development in S-SX.
- Continued the joint process with Ecology and other regulatory agencies and stakeholders to define the inputs, approaches, assumptions and methods that will be used for development of a performance assessment for Waste Management Area C.
- Continued data analysis of well-to-well SGE Survey of A and AX Farms, in support of potential interim barriers.
- Initiated data analysis of 3D SGE survey of URP-86 (WMA-C).
- Initiated remedial technology assessments in support of a Corrective Measures Study for WMA C.

III. Significant Planned Actions in the Next Six Months:

- Continue direct push campaign in C Farm.
- Initiate data analysis of SGE data collection at UPR-86 site in C Farm.
- Initiate direct push campaign in BY Farm, supporting Interim Barrier Design and Placement.
- Complete analysis of well-to-well SGE survey of A and AX Farms to support evaluation of a potential future barrier site.
- Complete data analysis of SGE data collection at UPR-86 site in C Farm.
- Complete direct push sampling in S Farm based on findings of SGE analysis of SX data, to support evaluation of a potential future barrier site
- Complete construction of an interim surface barrier at TY farm.
- Initiate 3-D SGE survey of SE portion of S farm.
- Continue remedial technology assessments in support of a Corrective Measures Study for WMA C.
- Initiate test of time-domain electromagnetic induction as a means of identifying locations of historical pipeline leaks.
- Update workplan for end of July submittal. Anticipated updates to include SGE deployment with deep electrodes, revised Beta probe development and lab analysis schedules.

IV. Issues

- The transmittal letter for M-45-50 (WMA C work plan and SAP) indicated that the scope of characterization activities identified in the plan could not be completed in time to support the currently scheduled dates for M-45-61 and M-45-62. The draft consent decree has been modified to include changes to the dates for these milestones.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms SST Retrieval and Closure Program

I. Deliverables

- **M-45-00, Complete Closure of all Single-Shell Tank Farms**
Due: 9/30/24
Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-00B, Complete Specified “Near-Term” SST Waste Retrieval and Interim Closure Activities, to Result in the Retrieval of all Tank Wastes in WMA-C SSTs Pursuant to the Agreement Criteria in Milestone M-45-00**
Due: 9/30/06 (Or as otherwise indicated within the descriptive text of this milestone.)
Status: Missed.
 - Completion of four limits of technology retrieval demonstrations:
 - Saltcake dissolution (S-112): Completed (M-45-03C).
 - Modified sluicing (C-106): Completed.
 - Vacuum retrieval (C-200s): Completed; C-203 field retrieval operations completed on March 24, 2005; C-202 retrieval completed on August 11, 2005; C-201 retrieval completed on March 23, 2006; C-204 retrieval completed on December 11, 2006.
 - Mobile retrieval (C-101, C-105, C-110 or C-111): Not completed. C-101 start of retrieval is currently projected for FY 2011. (Note: C-110 retrieval commenced using modified sluicing in compliance with a TWRWP approved by Ecology on 7/3/08. C-111 will have retrieval performed using modified sluicing in compliance with a TWRWP submitted to Ecology on 5/28/09.)

 - Implementation of full-scale leak detection monitoring and mitigation (LDMM) technologies for the first three 100-series tank retrievals following Tank S-112:
 - Tank S-102: High Resolution Resistivity System (HRR) installed; supporting retrieval operations.
 - Tank C-103: HRR demonstration complete.
 - Tank C-108: HRR installed; supporting retrieval operations.
 - Completed HRR injection tests at S-102.
 - Submitted HRR evaluation report and recommendation for further deployment.

- Submittal of Tank Waste Retrieval Work Plans (TWRWP):
 - Tanks C-201, C-202, C-203, and C-204: Completed on April 8, 2004.
 - Two (2) 100-series tanks by July 31, 2004: Completed on July 29, 2004 (C-103 and C-109).
 - Four (4) 100-series tanks by 10/31/04: Completed on October 8, 2004 (C-102, C-104, C-107, C-108, and C-112).
 - Five (5) 100-series tanks by January 31, 2005: Completed on January 24, 2005 (C-101, C-105, C-110, and C-111).
- **M-45-00C, Initiate Negotiation of SST Waste Retrieval and Closure Activities and Associated Schedules (for the period February 2007 through August 2008)**
Due: 9/30/06
Status: Missed.
- **M-45-00D, Initiate Negotiation of the SST Waste Retrieval and Closure Activities (for the period September 2008 to September 2013)**
Due: 1/31/08
Status: Missed.
- **M-45-00D-A, Ecology and DOE Negotiations Shall Be Completed within 150 days.**
Due: 06/28/08
Status: Missed
- **M-45-00E, Initiate Negotiation of SST Waste Retrieval and Closure Activities for the Remainder of the SST Program**
Due: 10/31/12
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-00E-A, Ecology and DOE Negotiations Shall Be Completed within 120 Days.**
Due: 02/27/13
Status: To Be Missed
- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
Due: 9/30/18
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/07
Status: Missed.

- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/08
Status: Missed.
- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
Due: 9/30/09
Status: Missed
- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**
Due: 9/30/10
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
Due: 9/30/11
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
Due: 9/30/12
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
Due: 9/30/13
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
Due: 9/30/14
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/15
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/16
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
Due: 9/30/17
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**
Due: 9/30/24
Status: To Be Missed (based on current DOE Baseline planning).

- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
Due: 3/31/12
Status: To Be Missed (based on current DOE Baseline planning).
- **M-45-06-T04, Complete Closure Actions on one WMA**
Due: 3/31/14
Status: To Be Missed (based on current DOE Baseline planning).

II. Significant Accomplishments

- Retrieved C-104 to ~75% complete.
- Completed stack extension design and continued procurement for POR008 and POR003 in C-Farm.
- Continued design and procurement activities for AN-101 Supernatant pump replacement along with another spare replacement pump purchase.
- Continued design activities for installation of articulated mast system (hydraulic arm) in C-104.
- Continued design activities for C-112 sluicing system.
- Continued design and procurements for C-108 Hard Heel Retrieval System.
- Completed C-111 procurement and installed both sluicers and the slurry pump along with electrical tie-ins.
- Drafted TSAP for C-110 heel sampling.

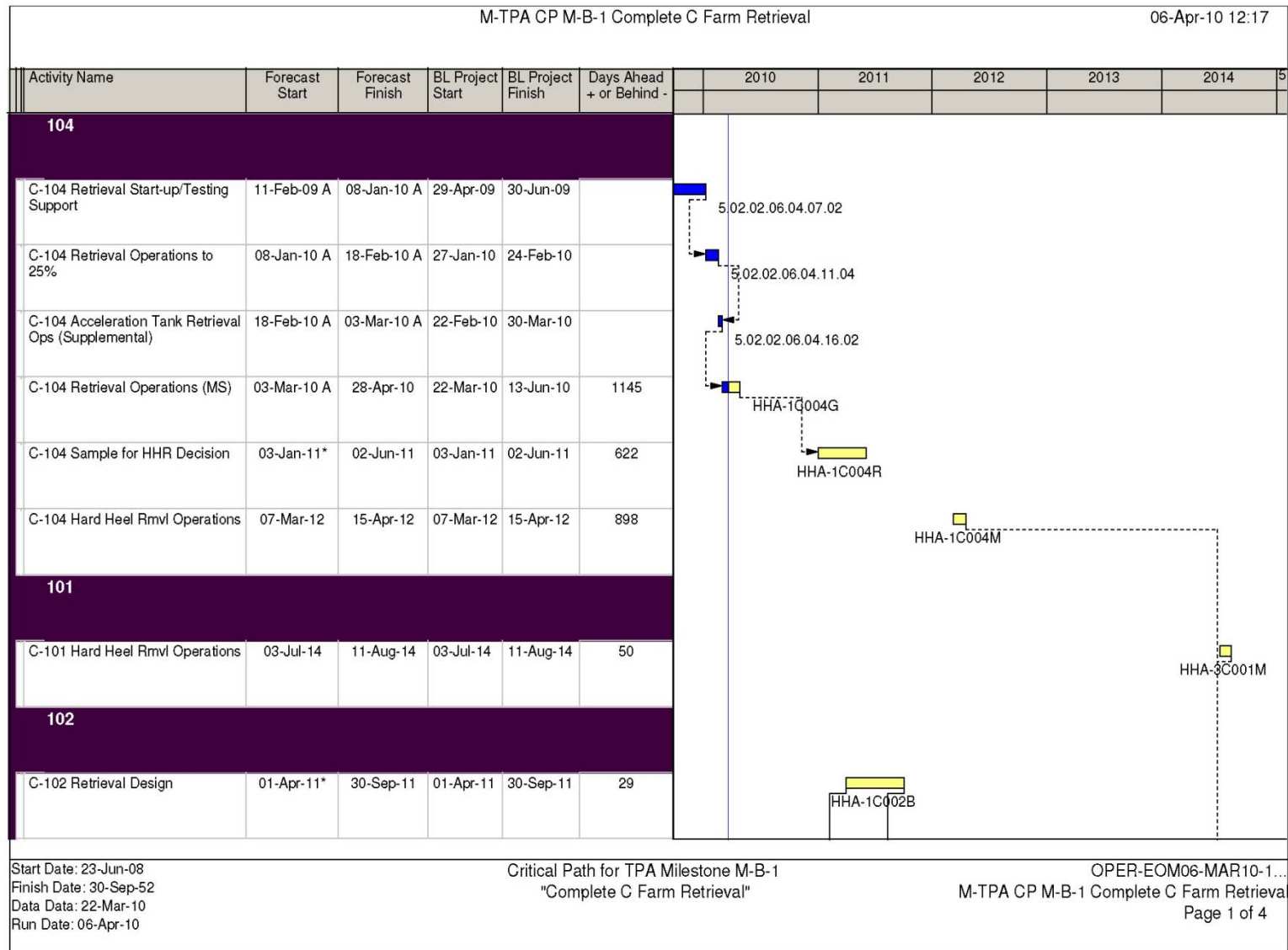
III. Significant Planned Activities in the Next Six Months

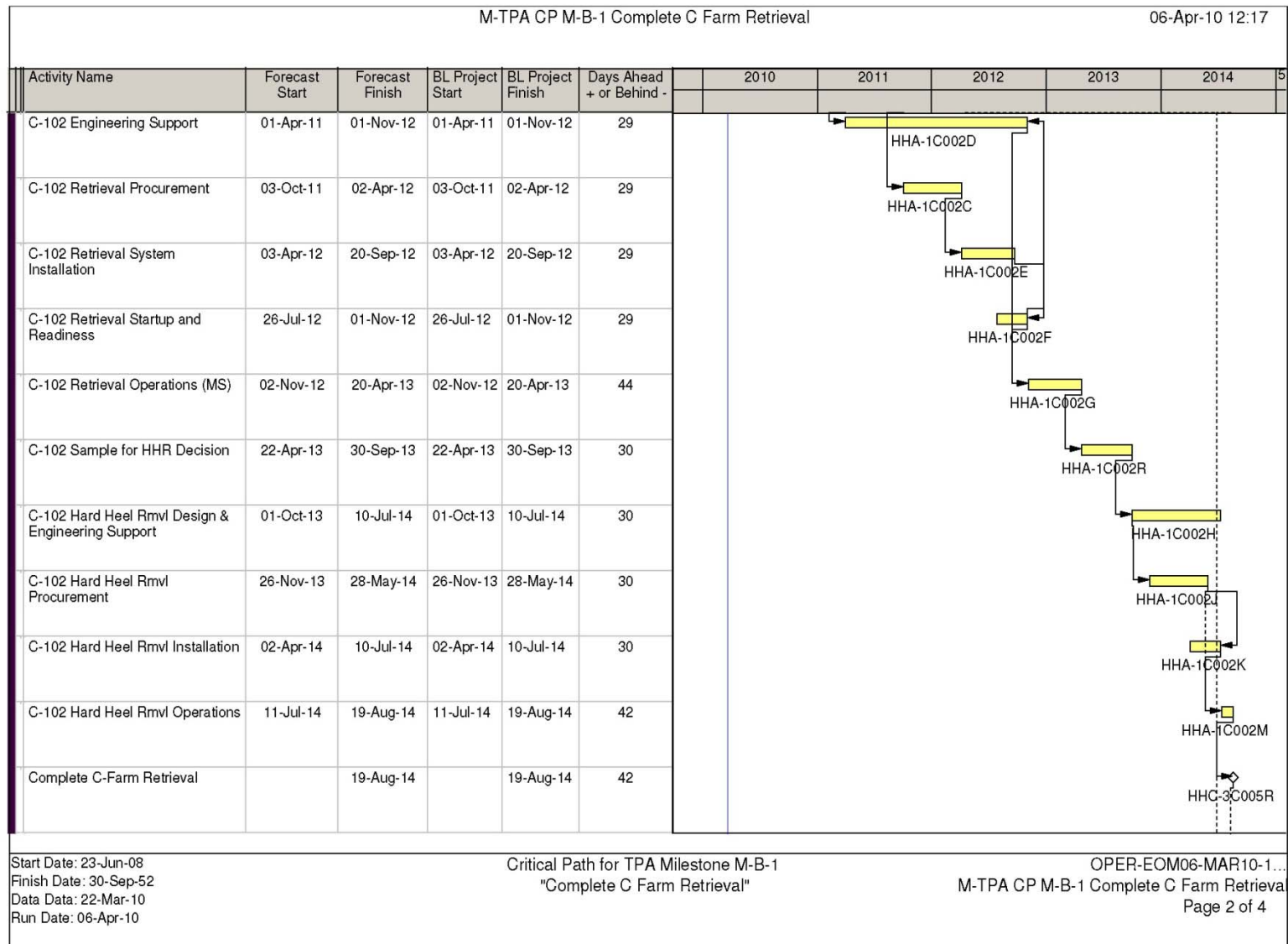
- Obtain C-109 and C-110 heel samples
- Complete construction of MARs with a sluicing end-effector for C-107 retrieval.
- Achieve 'interim stabilized' liquid levels on S-102. Issue interim stabilization documentation.
- Complete design for C-108 hard to retrieve heel retrieval system, and initiate construction along with start up of retrieval activities.
- Complete installation of new AN-101 supernatant pump.
- Complete C-111 construction and initiate retrieval.
- Complete C-112 design and initiate procurement.
- Install hydraulic arm into C-104 to aid removal of obstruction underneath slurry pump.
- Obtain heel sample from C-110.

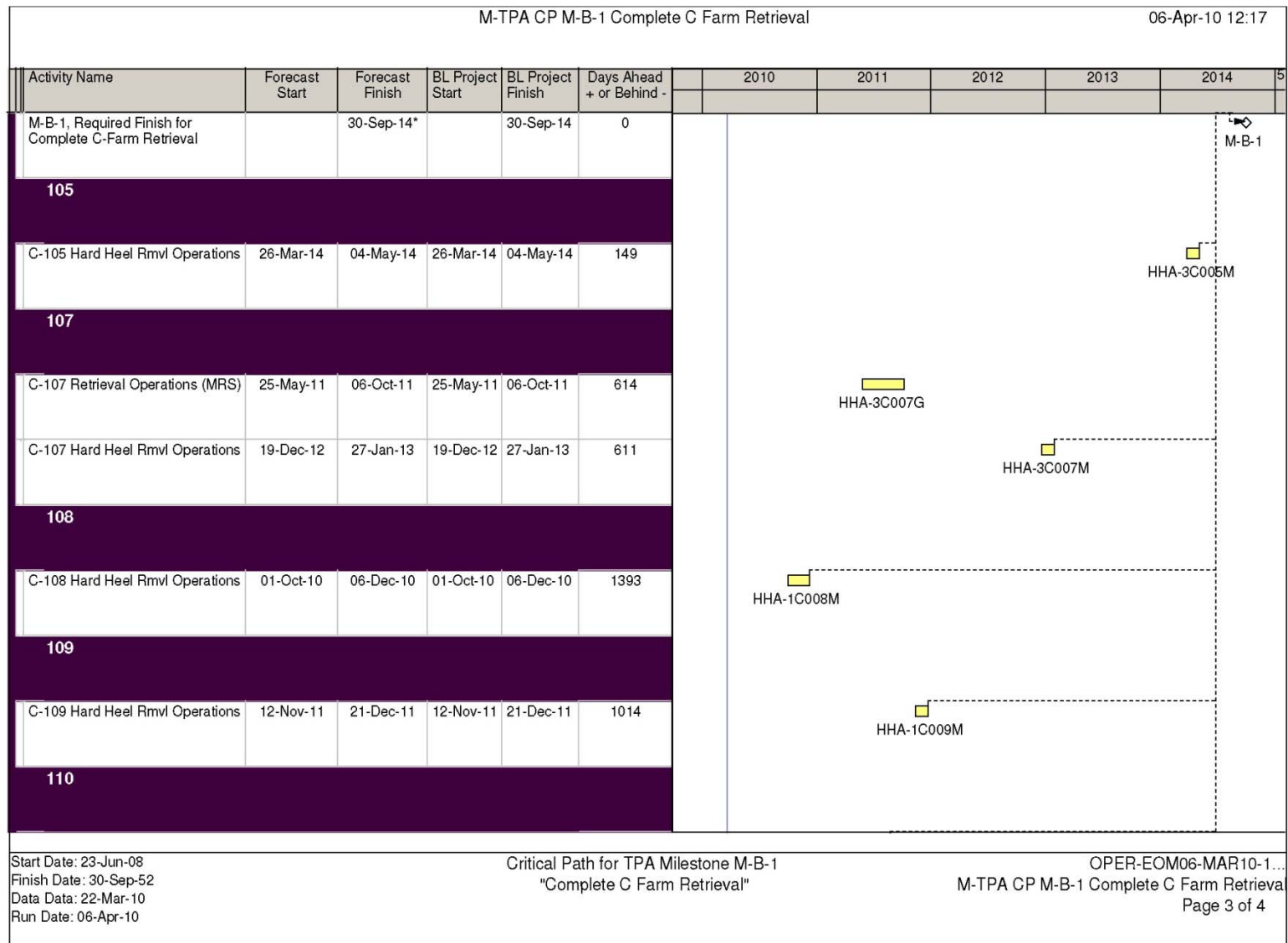
IV. Issues

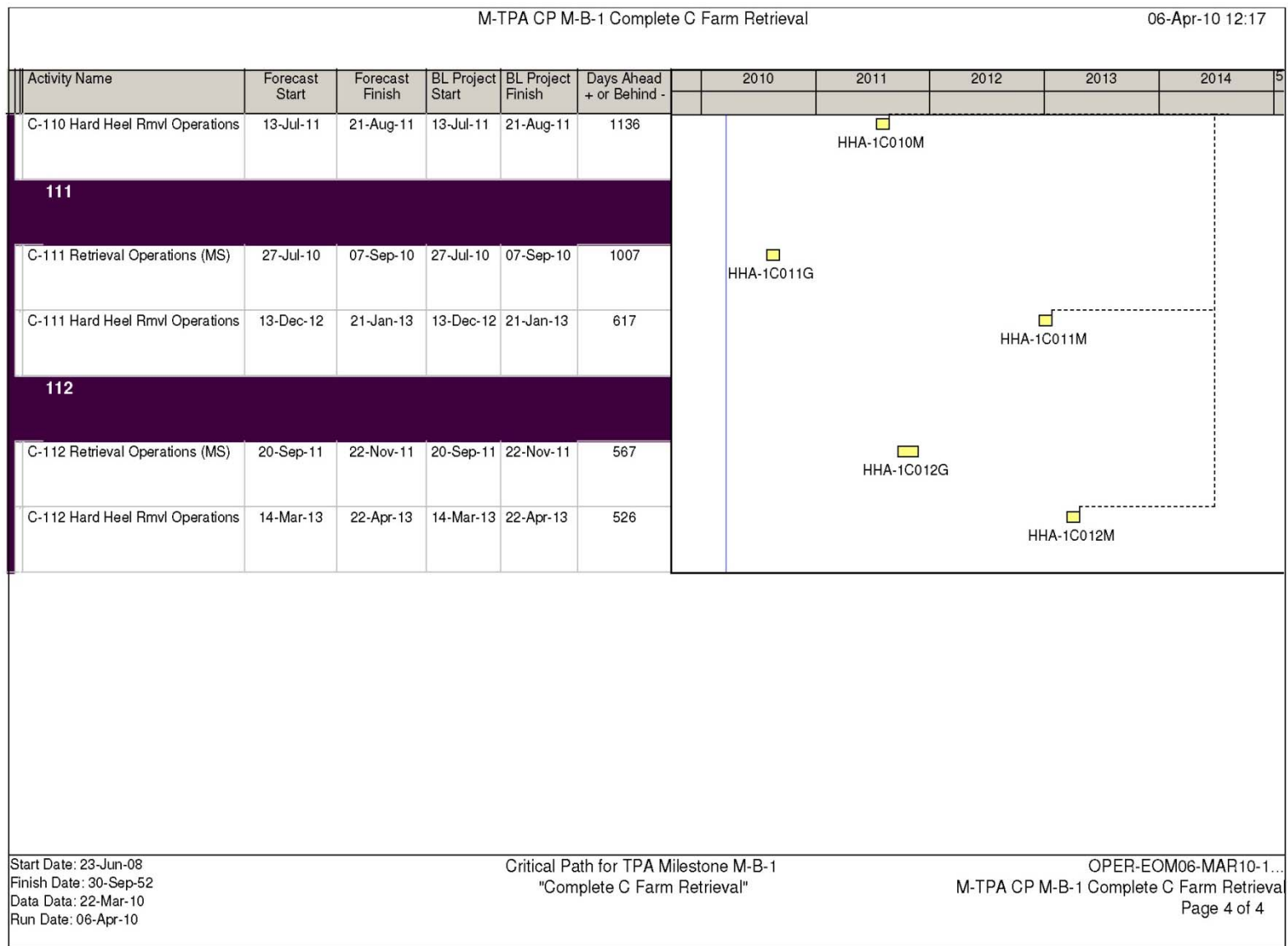
Milestones M-45-00B (retrieve all C Farm tanks), M-45-00C (initiate negotiations on SST retrievals for 2007-2008), and M-45-00D (initiate negotiations on SST retrievals for 2008-2013) were missed. TPA negotiations to address these and other milestones will be completed sometime after December 11, 2009, when Ecology and DOE complete their disposition of public comments on the newly proposed Consent Decree.

C-Farm Critical Path Retrieval Schedule and Life Cycle Baseline 2014 Compliance Schedule



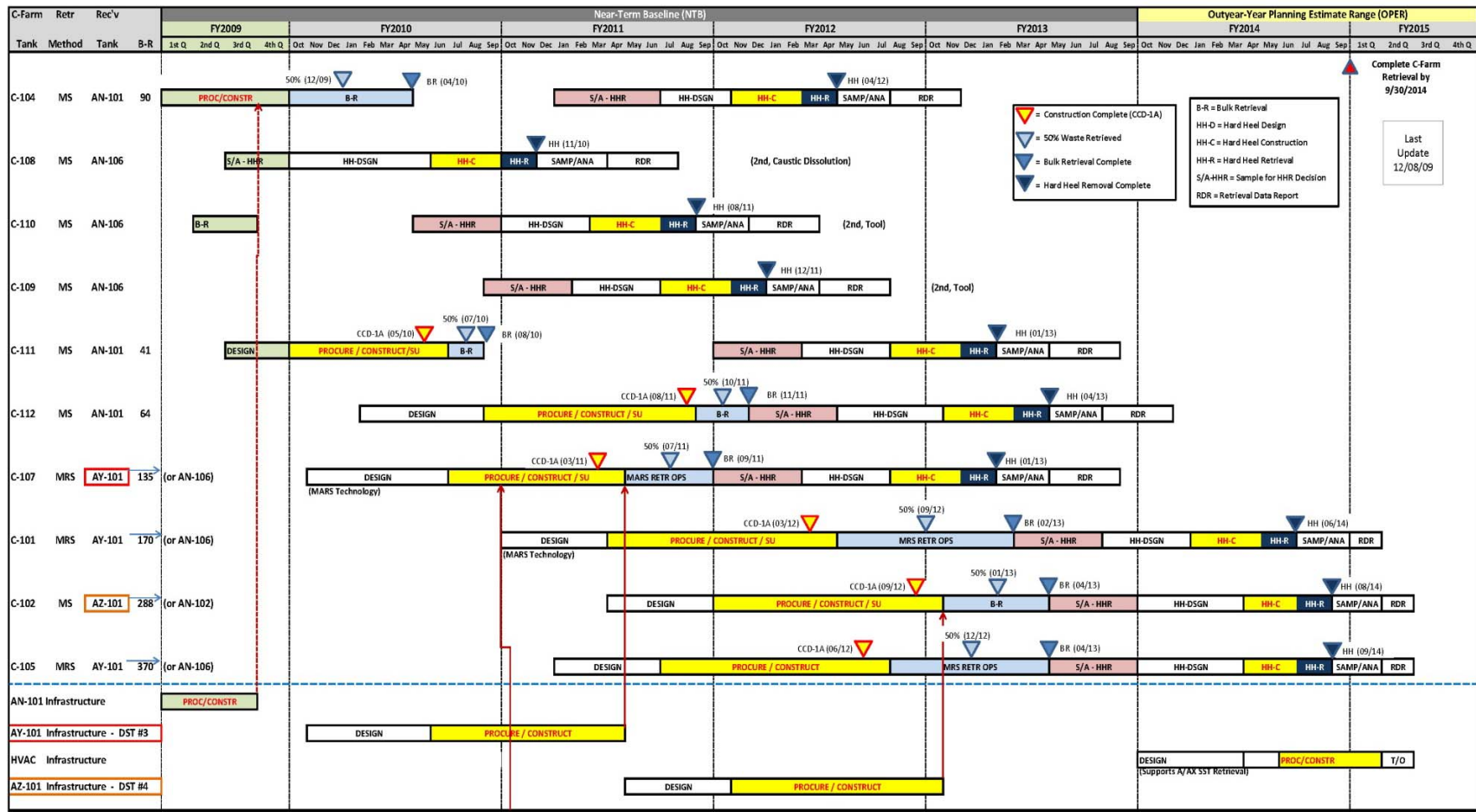






C-Farm Retrieval
Life-Cycle Baseline PMB
2014 Compliance Case

12/8/20



SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

- **M-45-02N, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02N for further details)**
Due: 3/1/08 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: Complete.
- **M-45-02N-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks**
Due: 06/02/08
Status: Complete. On May 15, 2008, Ecology transmitted comments on the M45-02N deliverable. On July 23, 2008, ORP transmitted letter 08-TF-049 to Ecology with a plan for responding to Ecology comments on and updating the Retrieval Sequence Document (RPP-21216). The revised document was submitted to Ecology on September 12, 2008, by letter 08-TF-062. Ecology approved the document on January 22, 2009, by letter 0900343.
- **M-45-02O, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02M for further details)**
Due: 3/1/10 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: In Abeyance per AIP, see issues below.
- **M-45-02O-A, 3 Parties Shall Meet To Establish New Milestones Within 60 Days**
Due: 04/30/10
Status: In Abeyance per AIP
- **M-45-02P, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (see text of M-45-02M for further details)**
Due: 3/1/12 (Biennially thereafter. Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: In negotiation. See discussion below under "Issues".

- **M-45-02P-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks**
Due: 4/30/12
Status: In negotiation. See discussion below under “Issues”.
- **M-45-02Q, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/14
Status: In negotiation. See discussion below under “Issues”.
- **M-45-02Q-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/14
Status: In negotiation. See discussion below under “Issues”.
- **M-045-02R, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/16
Status: In negotiation. See discussion below under “Issues”.
- **M-045-02R-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/16
Status: In negotiation. See discussion below under “Issues”.
- **M-45-02S, Submit Biennial Update to SST Retrieval Sequence Document**
Due: 03/01/18
Status: In negotiation. See discussion below under “Issues”.
- **M-45-02S-A, 3 Parties Shall Meet to Establish New Milestones Within 60 Days**
Due: 04/30/18
Status: In negotiation. See discussion below under “Issues”.

II. Issues

- The proposed TPA milestone, M-62-40, supersedes and provides an expanded set of information and data when compared to the requirements of the M-45-02 series milestones. To develop and submit the M-45-02O deliverable requires the same resources that are required to develop and submit the M-62-40 deliverable. In order to meet the proposed M-62-40 milestone due date, resources must be allocated to the development of the deliverable at this time, which would preclude the development of the M45-02O deliverable. On January 11, 2010, Ecology and ORP signed an Agreement In Principle stating the parties agree to hold milestone M-45-02O in abeyance pending disposition of TPA Change Form M-45-09-01 (part of the Consent Decree package released for public comment on October 1, 2009). The M-45-09-01 Change Form proposes the creation of new milestone M-62-40.

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**
Due: 2/27/04
Status: Complete.

II. Significant Accomplishments

- None.

III. Significant Planned Activities (PA) in the Next Six Months

- Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A Request for Additional Information (RAI) was received from the NRC in February 2009. (It has been discussed with the NRC that much of the additional information requested is dependent upon development of C-Farm residual waste PA and, therefore, cannot be provided until the PA is published.)
- Continue PA workshops with Ecology, EPA, NRC, and DOE HQ focused on residual waste in C Farm tanks and pipelines following retrieval.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction (NOC) Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement (EIS) and associated Record of Decision (ROD); forecast completion for the final EIS ROD is in the Spring or Summer of 2011.

Tank 241-S-102

I. Deliverables

- **M-45-05A, Complete Waste Retrieval from Tank S-102**
Due: 3/31/07
Status: Missed. As a result of equipment failure on March 14, 2007, retrieval operations were suspended at Tank S-102 with retrieval approximately 79% complete.

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**

Due: 6/30/11

Status: At Risk. See discussion below under “Issues”. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**

Due: 6/30/11

Status: At risk. See discussion below under “Issues”.

- **M-45-15B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank**

Due: 6/30/11

Status: At risk. See discussion below under “Issues”.

- **M-45-15C, Embedded Milestone, An update to the S-102 Component Closure Activity Plan has been submitted by DOE**

Due: 6/30/11

Status: At risk. See discussion below under “Issues”.

- **M-45-15D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H**

Due: 6/30/11

Status: At risk.

II. Significant Accomplishments

None

III. Significant Planned Activities in the Next Six Months

None.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure. It is technically imprudent to attempt to accelerate retrieval of S-102, at this time, because of the rheological nature of the waste.

- In a letter dated August 15, 2006, Ecology stated that submittal of Component Closure Activity Plans, for retrieved tanks, should continue to be suspended until June 30, 2009, or within 120 days after the Final Tank Closure and Waste Management Environmental Impact Statement (TC&WM EIS) Record Of Decision (ROD) is issued, whichever is earlier. In a letter dated November 12, 2009, Ecology extended its suspension until 180 days after the issuance of the final TC&WM EIS. It is anticipated that the final TC&WM EIS will not be issued until the Spring or Summer of 2011. Submittal of the Closure Plan could not occur, then, until several months after the M-45-15 milestone is due.

Tank 241-S-112

I. Deliverables

- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
Due: 6/30/05
Status: Complete.
- **M-45-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project**
Due: 6/30/11
Status: At risk. See discussion below under "Issues". Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.
- **M-45-13A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
Due: 12/31/07
Status: Completed (ORP letter, 07-TPD-066, dated December 21, 2007). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.
- **M-45-13B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank**
Due: 12/31/07
Status: Completed (ORP letter, 07-TPD-066, dated December 21, 2007). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.
- **M-45-13C, Embedded Milestone, An update to the S-112 Component Closure Activity Plan has been submitted by DOE**
Due: 6/30/11
Status: At risk. See discussion below under "Issues".

- **M-45-13D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H**

Due: 6/30/11

Status: At risk. See discussion below under "Issues".

II. Significant Accomplishments

- Ecology letter of August 28, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

III. Significant Planned Activities in the Next Six Months

None.

IV. Issues

- In a letter dated August 15, 2006, Ecology stated that submittal of Component Closure Activity Plans, for retrieved tanks, should continue to be suspended until June 30, 2009, or within 120 days after the Final Tank Closure and Waste Management Environmental Impact Statement (TC&WM EIS) Record Of Decision (ROD) is issued, whichever is earlier. In a letter dated November 12, 2009, Ecology extended its suspension until 180 days after the issuance of the final TC&WM EIS. It is anticipated that the final TC&WM EIS will not be issued until the Spring or Summer of 2011. Submittal of the Closure Plan could not occur, then, until several months after the M-45-15 milestone is due.

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs

Due: 09/30/04

Status: Completed on March 31, 2004, with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 is held in abeyance by third amendment to the Consent Decree. ORP's obligation to interim stabilize S-112 was satisfied upon completion of retrieval operations. Retrieval of S-102 has been impacted by the spill at this tank. A review of the January 25, 2010, video of the tank has shown approximately 2,400 gallons of supernatant liquid remaining. This is below the criteria for interim stabilization of less than 5000 gallons supernatant liquid.

II. Significant Accomplishments:

None.

III. Significant Planned Actions in the Next 6 Months:

None.

IV. Issues

Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007.

In Tank Characterization and Summary

For the period from May 1 – May 31, 2010:

I. Accomplishments:

- Completed 241-AP-107 corrosion mitigation grab sampling on May 6, 2010.
- Completed revision 17 of HNF-SD-WM-DQO-001, *Data Quality Objectives for Tank Farms Waste Compatibility Program*, on May 27, 2010.
- Completed revision 0 of RPP-45634, *Data Quality Objectives for Tank 241-C-301 Waste Transfer and Component Closure*, on May 27, 2010.
- Completed revision 0 of RPP-46169, *Data Quality Objectives for Tank 241-A-350 Waste Transfer and Closure*, on May 6, 2010.
- Completed revision 0 of RPP-PLAN-46136, *Sampling and Analysis Plan for Liquid and Solids in Catch Tank 241-A-350*, on May 18, 2010.

II. Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-A-350 compatibility and closure scheduled for July 2010.
 - Tank 241-AN-101 pre C-111 retrieval scheduled for June 2010.
 - Tank 241-AN-103 corrosion mitigation liquid grabs scheduled for October 2010.
 - Tank 241-AN-104 corrosion mitigation liquid grabs scheduled for October 2010.
 - Tank 241-AN-107 corrosion mitigation liquid grabs scheduled for June 2010.
 - Tank 241-C-110 off riser sampling scheduled for July 2010.
 - Tank 241-C-108 off riser sampling scheduled for September 2010.
- BBI Updates
 - Seven tank updates are planned for FY10 Quarter 3. An additional three tanks may be added. All seven updates have been started.
- Data Quality Objectives (DQO)
 - Complete revision 11 of the Chemistry Control DQO in June 2010.

III. Issues:

None.

Tank Farm Project Executive Summary

April 2010

General

The earned value analysis is a comparison of cost and schedule contract-to-date performance. The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting.

The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones. The following information is a summary of cumulative-to-date earned value performance.

WRPS April Project Performance - (\$k)								
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC
CM	48,387.4	43,926.8	39,462.7	(4,460.6)	4,464.0	0.91	1.11	
FYTD	224,633.4	229,777.8	213,168.0	5,144.4	16,609.8	1.02	1.08	464,710.4
CTD	511,373.0	507,044.6	474,835.6	(4,328.4)	32,209.0	0.99	1.07	2,065,484.4
Red shaded cells indicates a SPI/CPI less than .90; Green shaded cells indicate a SPI/CPI between .90 and .99; and Blue shaded indicates a SPI/CPI greater than or equal to 1.								

The contract-to-date (CTD) cost performance index (CPI) through April is 1.07 with a schedule performance index (SPI) of .99.

WRPS April CTD Project Performance by Level 2 WBS (\$k)										
	CTD BCWS	CTD BCWP	CTD ACWP	CTD SV	CTD CV	CTD SPI	CTD CPI	BAC	EAC	VAC
5.1- Base Operations	360,202.2	361,006.2	342,945.0	804.0	18,061.2	1.00	1.05	1,240,218.0	1,230,970.6	9,247.4
5.2- Retrieval and Close SSTs	102,410.3	96,849.5	93,514.2	(5,560.9)	3,335.2	0.95	1.04	406,301.9	405,415.3	886.6
5.3- WFD/Treatment PIng/DST Retrieval/Closure	47,408.0	48,082.9	37,456.9	674.8	10,625.9	1.01	1.28	382,011.6	374,457.9	7,553.7
5.4- Supplemental Treatment	1,352.5	1,106.1	919.5	(246.4)	186.6	0.82	1.20	23,500.7	23,774.7	(274.0)
5.5- Treat Waste	0.0	0.0	0.0	0.0	0.0	0.00	0.00	13,452.2	13,452.2	0.0
Total	511,373.0	507,044.6	474,835.6	(4,328.4)	32,209.0	0.99	1.07	2,065,484.4	2,048,070.7	17,413.7

TOC CTD unfavorable SV of (\$4,328k) is driven by:

- 1) **Retrieval and Closure SSTs, (\$5,561k):** 1) *C-111 Retrieval*, delayed equipment removal due to objects in tank risers, continued problems with POR-008 exhauster operations causing delays in removing saltwell pump and screen, and delays in receiving procured equipment. 2) *C-104 Retrieval*, retrieval operations halted due to an obstruction beneath the C-104 slurry pump, preventing it from being lowered, and due to the failure of the nitrogen seals in the AN-101 supernatant pump; 3) *C Farm Facility Enhancements*, additional time needed for an accurate bid phase and additional time required by the subcontractor for mobilization and training for the construction contract for the Lighting Upgrades, Enhanced Walkways, and Trailer Complex; 4) *Direct Push Characterization & Sampling*, delays in completing work in three (3) C Farm locations resulting from C-104 issues, C-111 construction activities, safety stand-down which required additional work package work, and wind; 5) *RA- Technology Development*, resulting from subcontractor procurement delays.

The unfavorable CTD SV is partially offset by early delivery of the *RA- All Terrain Crane*, \$1,503k.

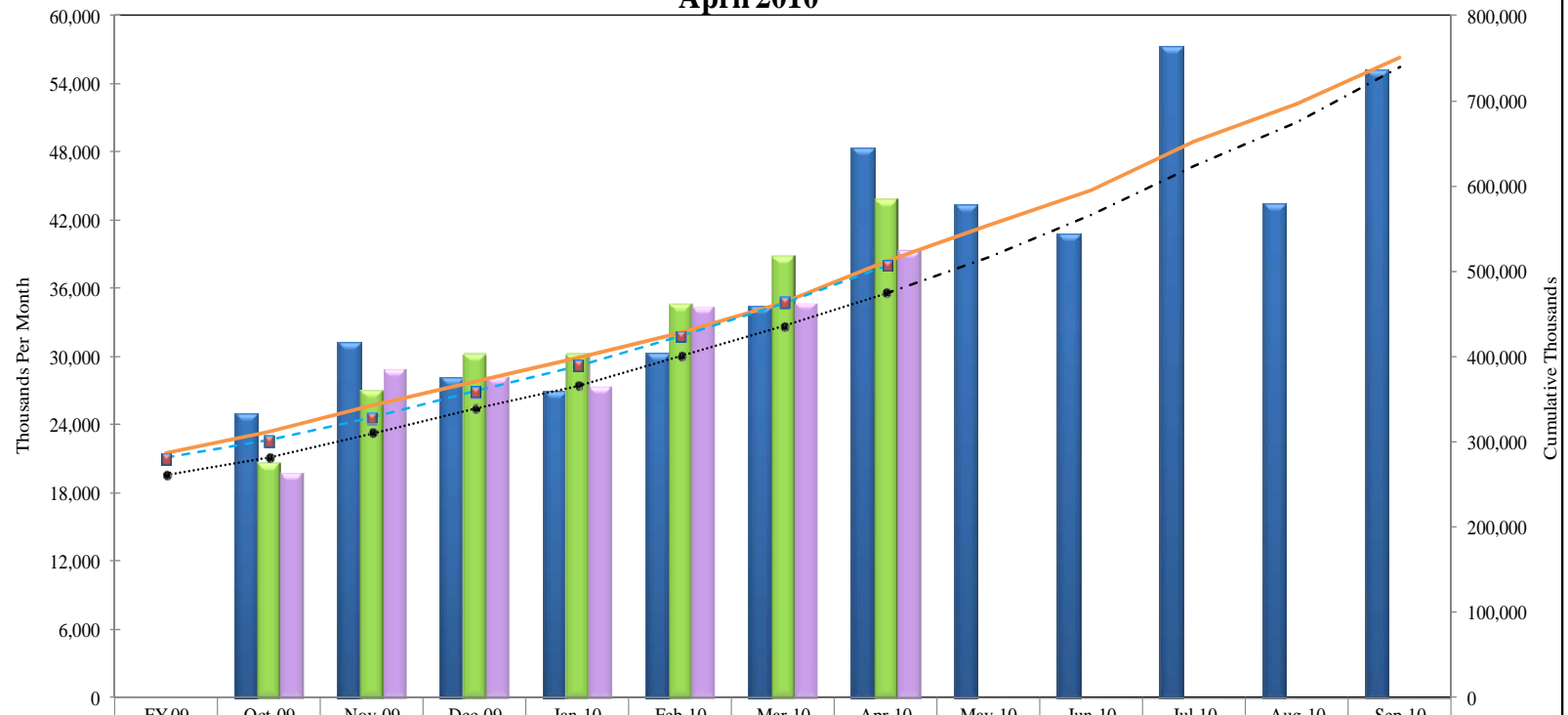
TOC CTD favorable CV of \$32,209k is driven by:

- 1) **Base Operations, \$18,061k:** 1) *RA- Finance Support*, lower allocation of applicable General and Administrative (G&A)/COP costs than planned resulting from RA Program under runs; 2) *SST Safe Storage & Operations*, continuous cost under runs realized in operations; 3) *Finance Support*, reduction of the planned Washington State Department of Revenue B&O tax rate due to the utilization of the high tech credit and travel credits for trips that did not occur; 4) *Information Resource Management*, lower material expenditures due to receipt of items from Yucca Mountain and document control's utilization of current staff; 5) *TOC Training Program*, labor efficiencies gained by streamlining the Lockout-Tagout and Maintenance Safety Classification classes in FY09; 6) *RA- Drawing Reconstitution*, lower cost for Request for Offsite Services (ROS) staff as a result of a lower field rate than planned and efficiencies gained through tank farm walk downs.
- 2) **WFD/Treatment Planning/DST Retrieval/Closure, \$10,626k:** 1) *RA- AW COB Isolation*, awarding of construction contract which was significantly below initial estimates and less resources required; 2) *WFD PE/Flow Sheet*, cost for the development of support flow sheets (contract) lower than anticipated and staff vacancies; 3) *RA –WFD Tank Mixing & Sampling*, resulting from a \$497k transfer to SRNL for the Bench Scale Demonstration which is not captured as actual cost; and the Small Scale Mixing Demonstration Plan completed significantly under original estimate; 4) *WFD Technical Baseline*, delays in hiring staff resulting in labor cost under runs and delays in issuing contracts for managed task resulting in subcontract under runs; 5) *Tank Waste Database Management*, the use of fewer resources to complete the Tank Waste Information Network System (TWINS) database diagnostic activities; 6) *RA–AWA Project Planning and Mobilization*, due to delays in technical and cost evaluations that had to be resolved before issuance of the contract, therefore cost under runs occurred during the Advanced Work Authorization (AWA) 45 day time period. Also due to the uncertainties of the work scope to be funded by the RA, Project managers delayed hiring staff until RA work scope for contract line item number (CLIN) 3 was finalized; therefore the cost for new hires is under run.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2008 - 04/2010**BY WORK BREAKDOWN STRUCTURE****Dollars in Thousands**

		Cumulative Contract-To-Date							
WBS	TITLE	Budgeted Cost		Actual Cost Work Performed	Variance				Budget at Completion (BAC)
		Work Scheduled	Work Performed		Schedule	SV%	Cost	CV%	
5.1	BASE OPERATIONS								
5.1.1	Base Operations	119,165.7	118,921.2	119,247.4	(244.5)	-0.2%	-326.2	-0.3%	402,854.8
5.1.2	DST Space Management	12,090.5	9,359.9	12,538.3	(2,730.6)	-22.6%	-3,178.4	-34.0%	41,416.8
5.1.3	TOC Facility Operations	41,653.2	41,536.5	38,067.4	(116.7)	-0.3%	3,469.1	8.4%	148,849.1
5.1.4	Tank Farm Upgrades	25,339.1	29,961.1	23,731.3	4,622.0	18.2%	6,229.8	20.8%	125,812.4
5.1.5	Project Support	<u>161,953.7</u>	<u>161,227.4</u>	<u>149,360.6</u>	<u>(726.3)</u>	<u>-0.4%</u>	<u>11,866.8</u>	<u>7.4%</u>	<u>521,284.9</u>
	TOTAL	<u>360,202.2</u>	<u>361,006.1</u>	<u>342,945.0</u>	<u>803.9</u>	<u>0.2%</u>	<u>18,061.1</u>	<u>5.0%</u>	<u>1,240,218.0</u>
5.2	RETRIEVE AND CLOSE SSTs								
5.2.1	Retrieval/Closure Program	53,778.7	52,683.5	46,060.5	(1,095.2)	-2.0%	6,623.0	12.6%	163,929.6
5.2.2	SST Retrieval East Area	43,250.1	39,101.0	43,763.7	(4,149.1)	-9.6%	-4,662.7	-11.9%	206,424.5
5.2.3	SST Retrieval West Area	1,191.7	1,253.1	1,020.0	61.4	5.2%	233.1	18.6%	3,544.0
5.2.4	Closure Program	2,423.0	2,390.3	2,008.9	(32.7)	-1.3%	381.4	16.0%	8,965.4
5.2.5	SST Closure	<u>1,766.9</u>	<u>1,421.7</u>	<u>661.0</u>	<u>(345.2)</u>	<u>-19.5%</u>	<u>760.7</u>	<u>53.5%</u>	<u>23,438.4</u>
	TOTAL	<u>102,410.4</u>	<u>96,849.6</u>	<u>93,514.1</u>	<u>(5,560.8)</u>	<u>-5.4%</u>	<u>3,335.5</u>	<u>3.4%</u>	<u>406,301.9</u>
5.3	WFD/TREATMENT PLNG/DST RETRIEVAL/CLOSURE								
5.3.1	WTP Feed Delivery Program	21,622.8	21,398.6	16,433.8	(224.2)	-1.0%	4,964.8	23.2%	86,873.8
5.3.2	Construct DST Retrieval Systems	6,302.3	6,352.8	5,703.6	50.5	0.8%	649.2	10.2%	102,852.1
5.3.3	RA - Transfer System Mod Project	2,355.6	3,596.0	2,667.0	1,240.4	52.7%	929.0	25.8%	20,726.1
5.3.6	Immobilization Program	4,166.4	3,930.1	2,554.1	(236.3)	-5.7%	1,376.0	35.0%	36,281.7
5.3.7	WTP Operational Readiness	3,847.1	3,796.8	3,402.4	(50.3)	-1.3%	394.4	10.4%	16,348.8
5.3.8	East Area Waste Receiving Facility	490.8	451.2	185.1	(39.6)	-8.1%	266.1	59.0%	490.8
5.3.9	Tank Waste Pretreatment Project	1,797.6	1,277.4	892.3	(520.2)	-28.9%	385.1	30.1%	31,111.4
5.3.10	Secondary Waste Treatment/ETF	3,501.5	3,546.7	3,007.2	45.2	1.3%	539.5	15.2%	35,542.3
5.3.11	Next Generation Projects	<u>3,323.9</u>	<u>3,733.3</u>	<u>2,611.3</u>	<u>409.4</u>	<u>12.3%</u>	<u>1,122.0</u>	<u>30.1%</u>	<u>51,784.5</u>
	TOTAL	<u>47,408.0</u>	<u>48,082.9</u>	<u>37,456.8</u>	<u>674.9</u>	<u>1.4%</u>	<u>10,626.1</u>	<u>22.1%</u>	<u>381,037.4</u>
5.4	SUPPLEMENTAL TREATMENT								
5.4.1	Supplemental Treatment	<u>1,352.5</u>	<u>1,106.1</u>	<u>919.5</u>	<u>(246.4)</u>	<u>-18.2%</u>	<u>186.6</u>	<u>16.9%</u>	<u>23,500.7</u>
5.5									
5.5.2	Waste Treatment Facility	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0%</u>	<u>0.0</u>	<u>0.0%</u>	<u>13,452.200</u>
TOC TOTAL		511,373.1	507,044.7	474,835.4	(4,328.4)	-0.8%	32,209.3	6.4%	2,064,510.2

FY10 WRPS Cumulative-to-Date Performance (\$k) April 2010



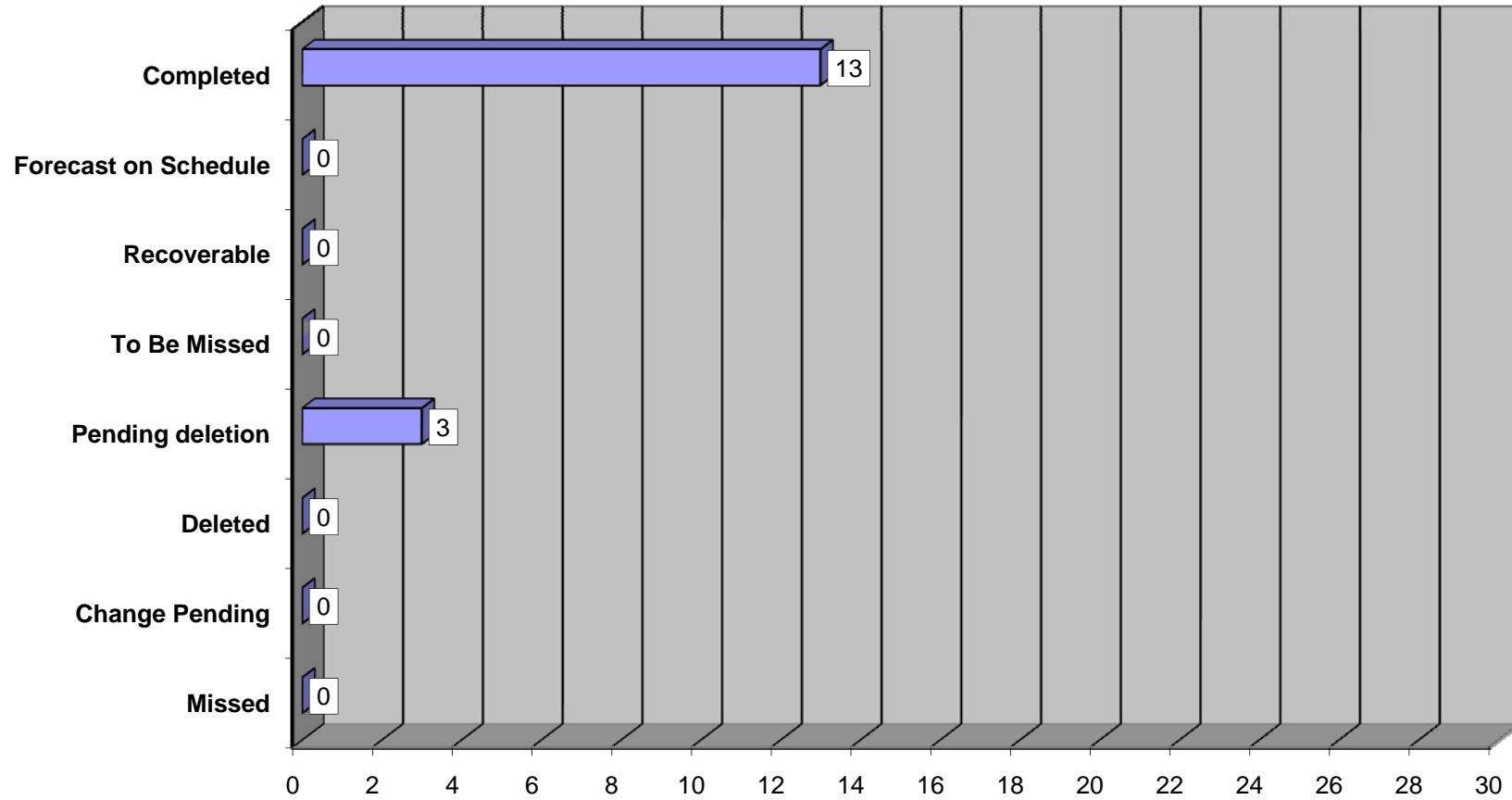
	FY 09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10
CM Plan (BCWS)		24,992	31,267	28,227	26,984	30,345	34,431	48,387	43,404	40,797	57,201	43,469	55,207
CM Perf (BCWP)		20,677	27,086	30,260	30,306	34,634	38,856	43,927					
CM Actuals (ACWP)		19,801	28,941	28,292	27,436	34,416	34,820	39,463					
CTD Plan (BCWS)	286,740	311,732	342,999	371,226	398,210	428,555	462,986	511,374	554,777	595,574	652,775	696,243	751,451
CTD Perf (BCWP)	281,299	301,976	329,062	359,322	389,628	424,262	463,118	507,045					
CTD Actuals (ACWP)	261,668	281,468	310,409	338,701	366,137	400,553	435,373	474,836					
CTD Actuals/FY ETC								474,836	517,349	566,465	624,194	674,617	739,185

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 10/01/09	Milestone Number	Due Date	Milestone Number	Due Date
M-42-00A , Provide Additional DST Capacity	TBD	1	M-42-00A	TBD		
M-45-00 , Complete Closure of all SST Farms	01/31/43	19	M-45-70 M-45-80 M-45-81 M-45-82 M-45-83 M-45-84 M-45-85 M-45-86	12/31/40 01/31/11 09/30/14 09/30/15 06/30/19 01/31/17 01/31/22 12 months after each tank retrieval	M-45-13 M-45-15 M-45-56 M-45-59 M-45-61 M-45-62 M-45-90 M-45-91 M-45-92 M-45-100 M-45-101	06/30/11 06/30/11 TBD TBD 12/31/14 06/30/15 09/30/10 09/30/10 09/30/16 60 days after milestone adoption 60 days after milestone adoption
M-47-00 , Complete Work Necessary to Provide Facilities for Management of Secondary Waste from the WTP.	When WTP Achieves Initial Plant Operation	2	M-47-00	When WTP Achieves Initial Plant Operation	M-47-06	06/30/12
M-62-00 , Complete Pretreatment Processing and Vitrification of Hanford High Level (HLW) and Low Activity (LAW) Tank Wastes	12/31/47	12	M-62-01T M-62-01U M-62-20 M-62-21 M-62-30	01/31/10 07/31/10 06/30/10 02/28/23 12 months after milestone adoption	M-62-31-T01 M-62-32-T01 M-62-33-T01 M-62-34-T01 M-62-40 M-62-45 M-62-49	TBD TBD TBD TBD 10/31/10 04/30/15 10/31/11
M-90-00 , Interim Storage and Disposal of LAW and Interim Storage of HLW	When WTP Achieves Hot Start	2	M-90-00	When WTP Achieves Hot Start	M-90-11	12/31/12

FY 2006 MILESTONE PERFORMANCE



Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R26	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/05	10/31/05								
M-048-07A-A	Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service by October 31, 2005. This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-A.	10/31/05	10/24/05								
M-046-21	Complete Implementation Of Double Shell Tank Space Optimization Study Recommendations (Tank Space Options Report Document No. RPP-7702, April 12, 2001).	12/31/05	12/15/05								
M-062-01L	Submit Semi-Annual Project Compliance Report.	01/31/06	01/31/06								
M-045-02M	Submit biennial update to SST retrieval sequence document (agreement Appendix I. Section 2.1.2), double-shell tank space evaluation document and Ecology concurrence of additional tank acquisition.	3/1/06	3/13/06								

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A-B	Completion of construction for the 241-AP-106A central pump pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-B.	3/31/06	3/30/06								
M-048-14	Submit Written Integrity Report For The Double-Shell Tank System.	3/31/06	3/31/06								
M-047-05A	Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 or AZ-102).	4/30/06	12/29/04								
M-45-55-T04	Submit to Ecology for review and comment a draft Field Investigation Report combining the results of field investigations and analysis for WMAs A-AX, C and U. As part of the Phase 2 Vadose Zone project renegotiations being developed, this target milestone scope has been included in M-45-55 Phase 1 rollup documentation due in 1/08.	4/30/06								X	

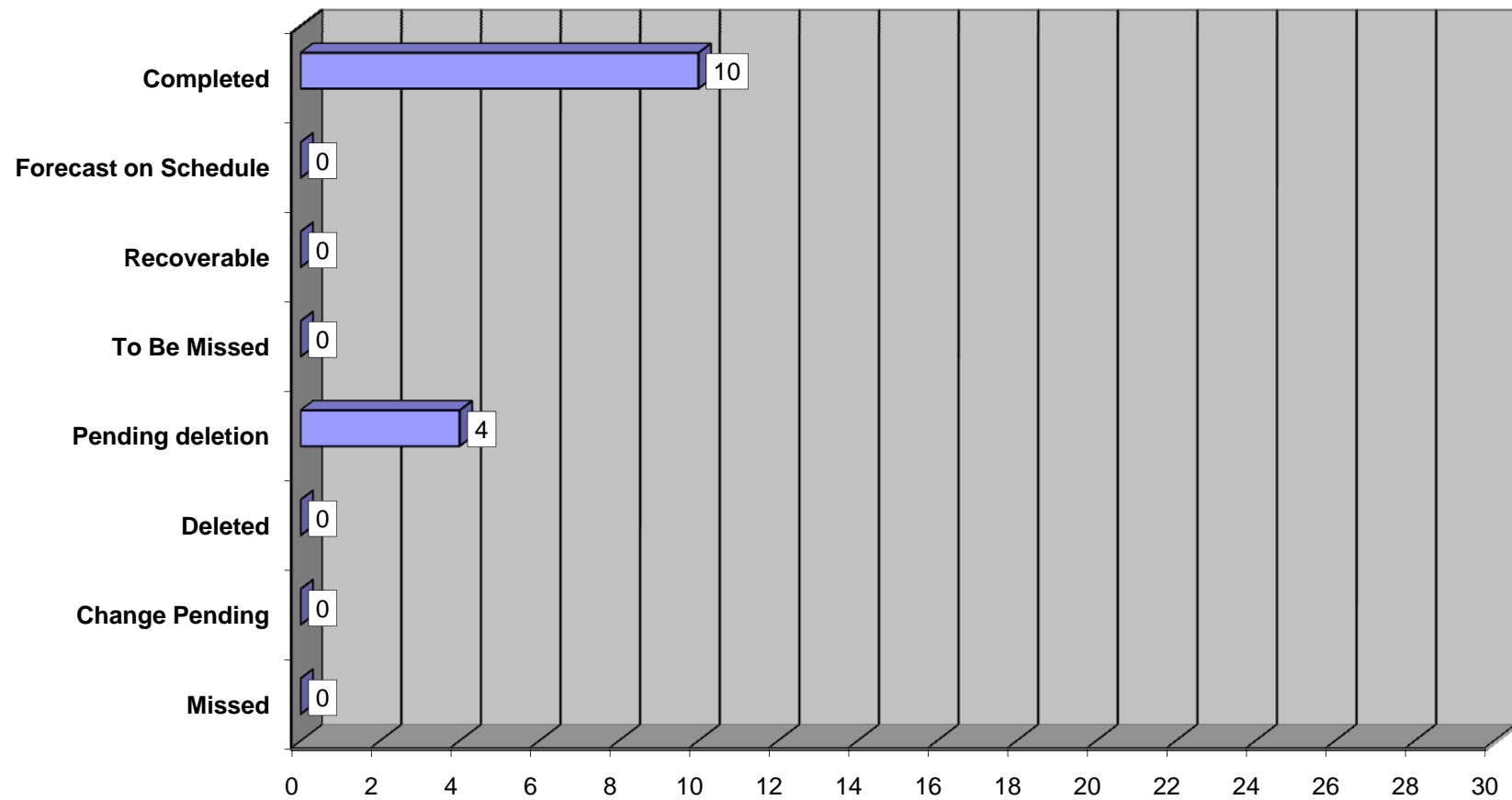
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A	Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 1) Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service [see M 45-07A-A]; 2) Complete construction of AP-106A Central Pump upgrade [M-48-07A-B]; and 3) complete construction of SY-B Valve Pit upgrade [see M 48-07A-C].	06/30/06	06/08/06								
M-048-07A-C	Completion of construction for the 241-SY-B valve pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-C.	06/30/06	06/08/06								
M-048-07B	The Disposition of all Double-Shell Tank Transfer System Components that will not remain in use beyond June 30, 2005.	06/30/06	6/22/06								
M-062-08	Submittal Of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline, And Draft Negotiations Agreement In Principle (AIP).	06/30/06							X		

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-56B	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/06	07/01/06								
M-062-01M	Submit Semi-Annual Project Compliance Report.	07/31/06	07/31/06								
M-045-00B	Complete specified "near term" SST waste retrieval and interim closure activities, to result in the retrieval of all tank wastes in WMA-C SSTs pursuant to the agreement criteria in milestone M-45-00.	09/30/06							X		
M-045-00C	Initiate negotiation of SST waste retrieval and closure activities and associated schedules (for the period February 07 through August 08).	09/30/06							X		

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R30	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/06	10/31/06								
M-062-03	Submit DOE Petition for RCRA Delisting of Vitrified HLW.	12/31/06	12/22/06								
M-045-00C-A	Ecology and DOE negotiations under this milestone shall be completed within 120 days. In the event the parties do not reach agreement within timeframe, the negotiations will be resolved as a resolution of dispute via final determination. Unless otherwise agreed by Ecology and DOE, this final determination will be issued within 150 days of initiation of negotiations.	01/28/07							X		
M-062-01N	Submit Semi-Annual Project Compliance Report.	01/31/07	01/31/07								
D-001-00-R31	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/07	01/26/07								
M-045-05A	Complete Waste Retrieval from	3/31/07							X		

Fiscal Year 2007 Tri-Party Agreement Milestone Status

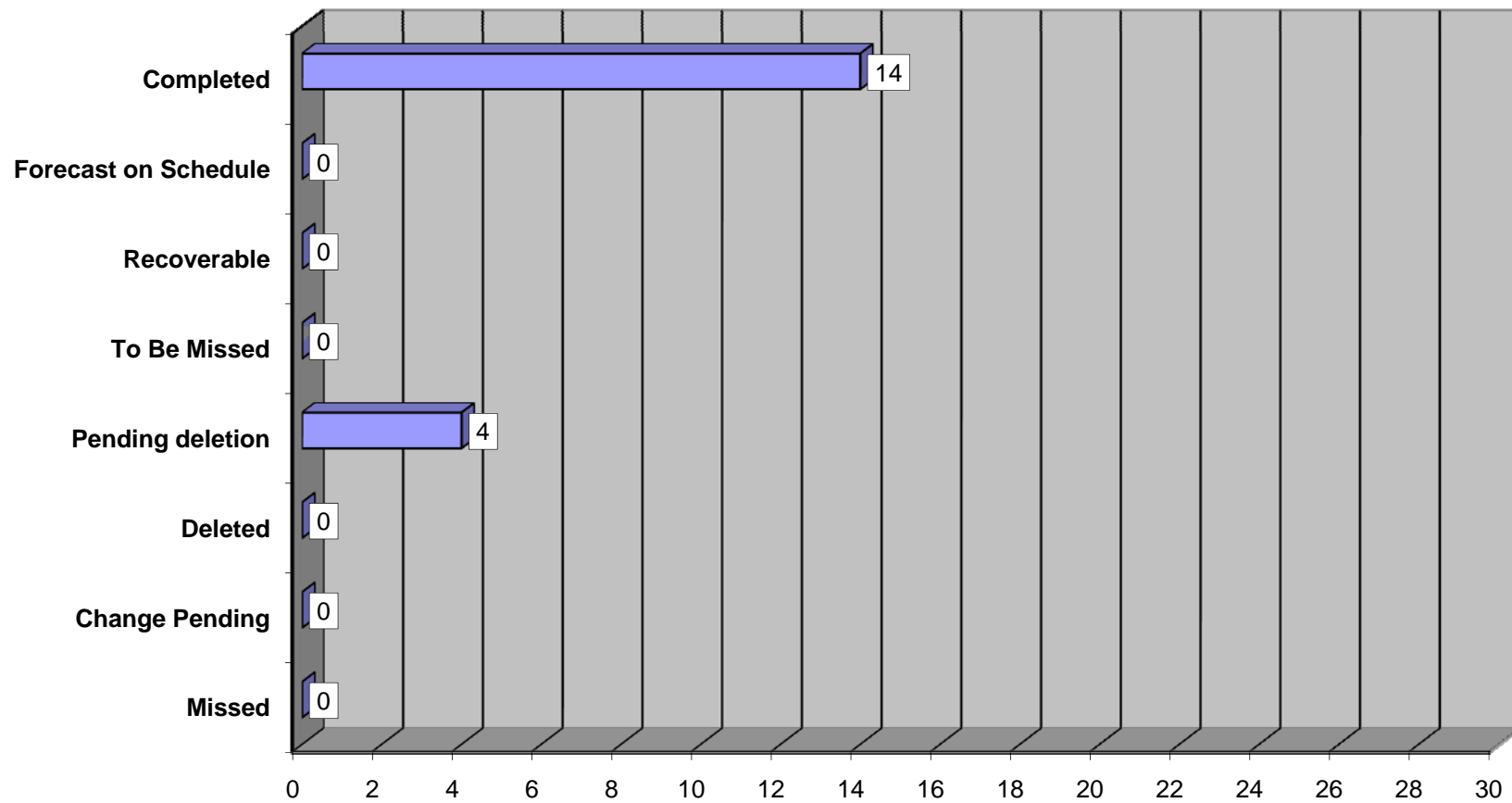
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	S-102.										
D-001-00-R32	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/07	04/27/07								
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07							X		
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/07	07/24/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R33	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/07	07/30/07								
M-062-01O	Submit Semi-Annual Project Compliance Report.	07/31/07	07/31/07								
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/26/07								
M-045-05-T05	Initiate tank retrieval from five additional single-shell tanks.	09/30/07							X		
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07	09/26/07								

* Milestone has been completed by ORP; Ecology has not yet concurred.

FY 2008 MILESTONE PERFORMANCE



Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R34	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/07	10/31/07								
M-045-13-A	Submit to Ecology a Retrieval Data Report for S-112 pursuant to Agreement Appendix I.	12/31/07	12/21/07								
M-045-13-B	Remaining waste has been adequately characterized, and a risk assessment completed for S-112 residuals that remain in the tank.	12/31/07	12/21/07								
M-062-07B	Complete Assembly of LAW Vitrification Facility melter #1 and complete move of #1 melter into the HLW Vitrification Facility	12/31/07							X		
M-062-01P	Submit Semi-Annual Project Compliance Report.	01/31/08	01/31/08								
M-045-55	Submit to Ecology a Phase 1 RFI report integrating results of data gathering activities and evaluations for all SST WMAs.	01/31/08	01/30/08								

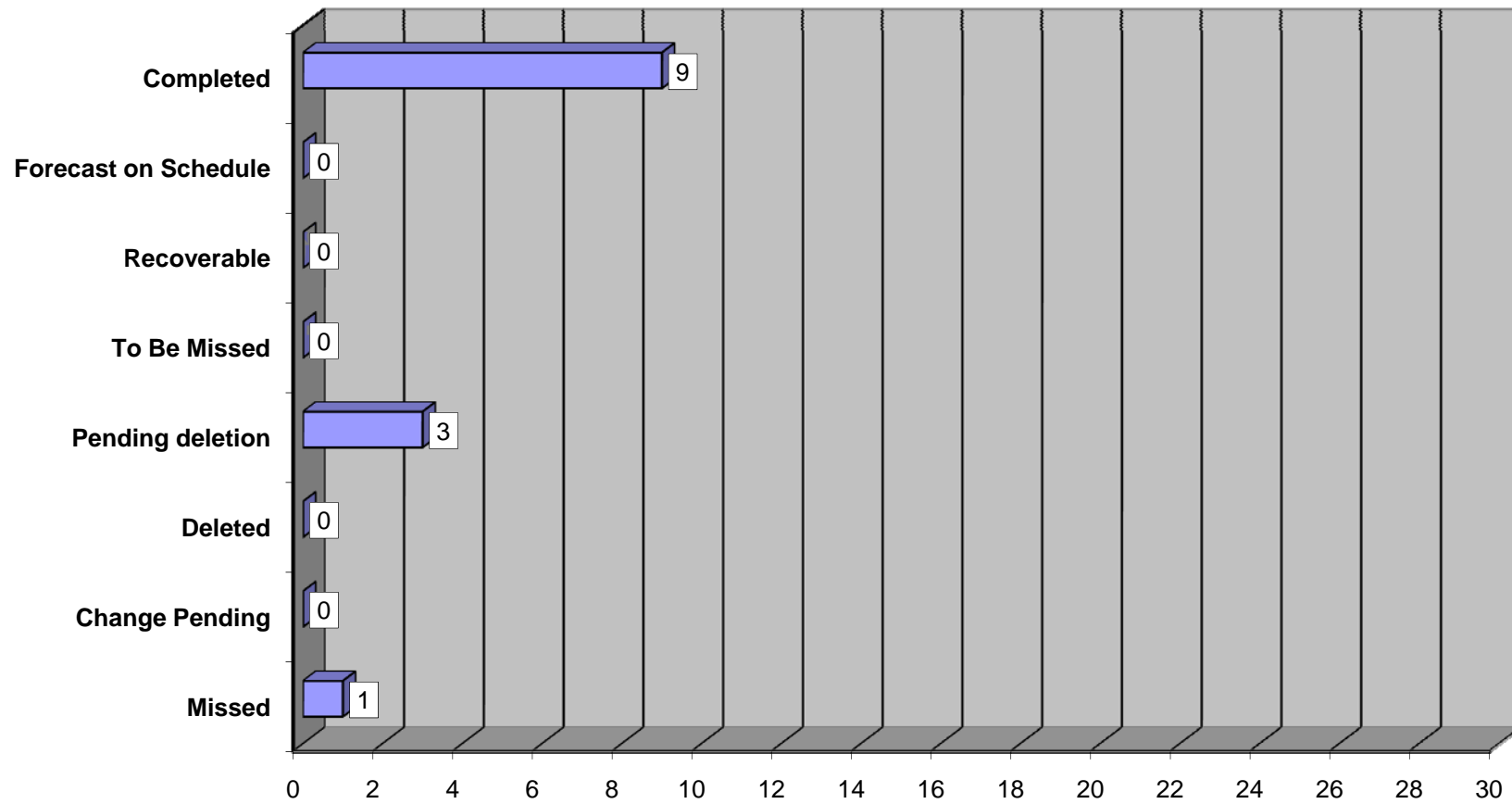
Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R35	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/08	01/31/08								
M-045-00D	Initiate negotiations of SST waste retrieval and closure for 2008-2013.	01/31/08							X		
M-045-02N	Submit Biennial Update.	03/01/08	02/29/08								
M-045-02N-A	Three Parties shall meet to establish new milestones within 60 days, if required, for acquisition of additional tanks.	06/02/08	01/22/09								
D-001-00-R36	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/08	04/30/08								
M-045-00D-A	Negotiations shall be complete within 150 days.	06/29/08							X		

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-56D	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/08	07/22/08								
D-001-00-R37	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/08	07/31/08								
M-062-01Q	Submit Semi-Annual Project Compliance Report.	07/31/08	07/30/08								
M-090-10	Ready to accept placement of ILAW in ILAW Disposal Facility.	08/31/08	02/13/07								
M-45-05-T06	Initiate tank retrieval from five additional SSTs.	09/30/08							X		
M-045-XX	Remove pumpable liquid from Catch Tank S-302	9/30/08	9/30/08								

FY 2009 MILESTONE PERFORMANCE



Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R38	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	10/31/08	10/28/08								
M-045-58	Submit to Ecology for Review and Approval as an Agreement Primary Document Phase 2 Master Work Plan that describes the proposed approach for the completion of Corrective Action to meet final closure requirements in the Waste Management Areas as described in Appendix I, Section 2.3	12/31/08	12/18/08								
M-045-60	Submit to Ecology for review and approval as an agreement primary document, DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C.	12/31/08	12/18/08								
M-062-01R	Submit Semi-Annual Project Compliance Report	01/31/09	01/30/09								

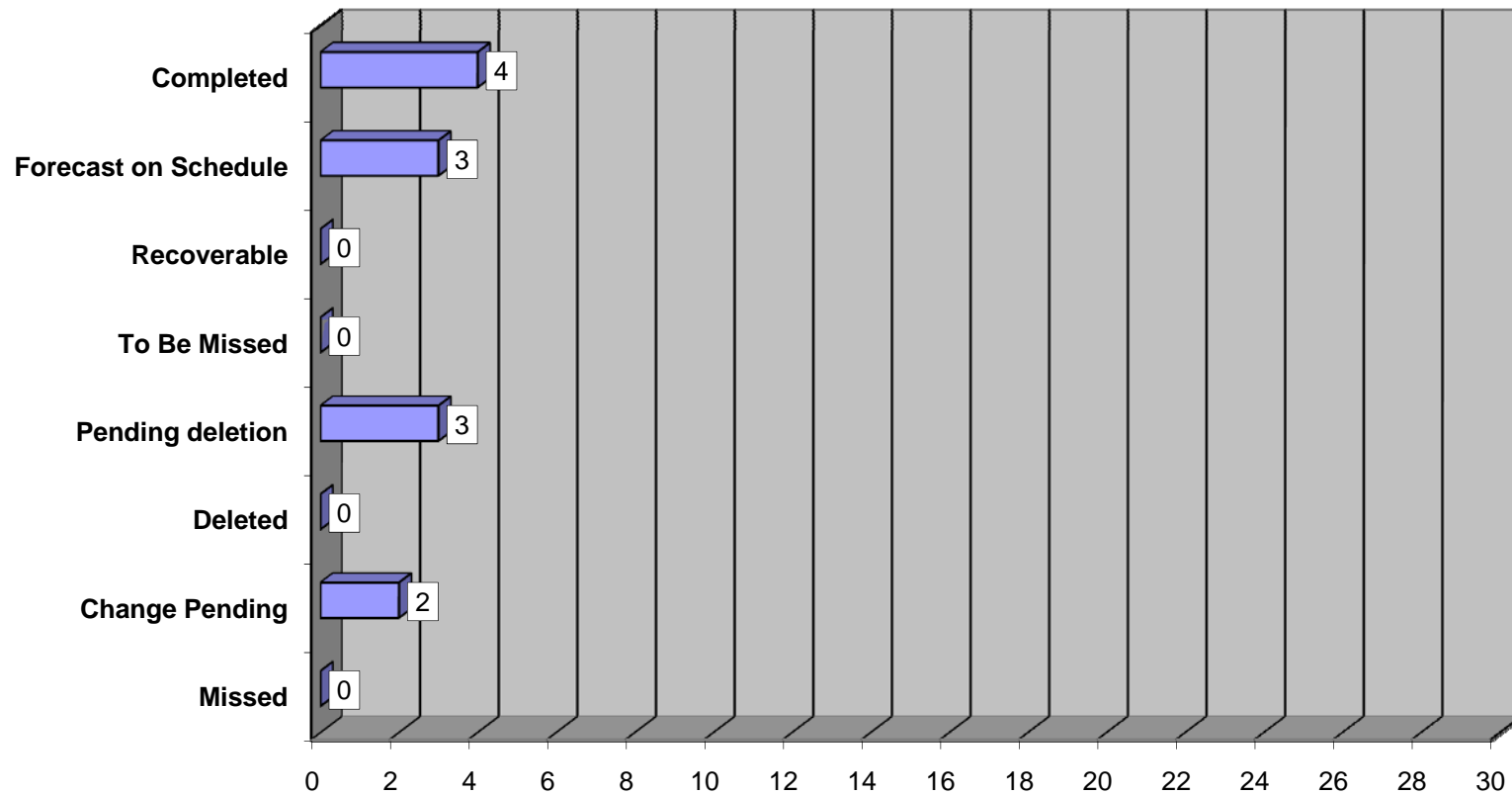
Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R39	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	01/31/09	01/30/09								
M-062-09	Start Cold Commissioning – Waste Treatment Plant	02/28/09							X		
M-47-03A	Complete startup/turnover for waste retrieval mobilization systems for selected initial tank high-level waste feed tank	03/31/09							X		
D-001-00-R40	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/09	04/29/09								
M-045-56E	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/09	07/21/09								

Fiscal Year 2009 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R41	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	07/31/09	07/31/09								
M-062-01S	Submit Semi-Annual Project Compliance Report	07/31/09	07/31/09								
M-045-05-T07	Initiate tank retrieval from 7 additional SSTs	09/30/09						X	X		

FY 2010 MILESTONE PERFORMANCE



Fiscal Year 2010 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00R-42	Quarterly Report	10/31/09	10/28/09								
D-001-00R-43	Quarterly Report	01/31/09	1/28/10								
D-001-00R-44	Quarterly Report	04/30/10	4/30/2010								
D-001-00R-45	Quarterly Report	07/31/10		X							
M-45-02O	Biennial Update to SST Waste Retrieval Sequence	03/01/10							X		
M-45-02O-A	New SST milestones within 60 days	04/30/10							X		
M-45-05-T08	Initiate Tank Retrieval from 8 Additional SSTs	09/30/10							X		
M-45-56F	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/31/10		X							
M-62-01T	Submit Semi-Annual Project Compliance Report	01/31/10	1/29/10								
M-62-01U	Submit Semi-Annual Project Compliance Report	07/31/10		X							
M-47-06	Complete Negotiation of Agreement Requirements-Treatment Complex	06/30/10									X
M-90-11	Complete Canister Storage Facility Construction	08/31/10									X

Milestone M-47-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-03A, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank**
Due: 03/31/09
Status: Missed.
- **M-47-06, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018**
Due: 06/30/10
Status: Negotiations are not yet underway.

II. Significant Accomplishments:

None.

III. Significant Planned Actions in the Next Six Months:

None.

IV. Near-term Actions Needed by DOE or Ecology:

None.

V. Issues:

Nothing to report.

242-A Evaporator Status (previously reported under Milestone M-48, which has been closed out)

242-A Campaign strategy:

- FY10. 1 campaign using AW-106 as the feed and slurry tank. This waste requires 1 pass to achieve forecast waste volume reduction.
- FY11. 2 campaigns with feed from AP-107 and AZ-102. Slurry tanks will be AP-104/AP-107.
- FY12. 1 campaign with feed from AY-101 and slurry to AP-107. This campaign replaces a Cold Run in the baseline.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY09	09-01	AP-101/ AP-105	AP-104	Entered OPERATION MODE on 3/17/09 and returned to SHUTDOWN MODE on 6/25/09. Campaign 09-01/09-02
FY09	09-02	AP-101/ AP-105	AP-104/ AP-101	processed approximately 2.1mgal of DST waste achieving 948kgals (45%) waste volume reduction.
FY10	10-01	AW-106	AW-106	Planned waste processing start August 2010.
FY11	11-01	AP-107	AP-104	Planned start March 2011. Campaigns
FY11	11-02	AZ-102	AP-104/ AP-107	11-01 and 11-02 to be performed back-to-back
FY12	12-01	AY-101	AP-017	Planned start March 2012.

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications

I. Near-Term Deliverables:

- **M-90-10, Ready to Accept Placement of ILAW Waste in ILAW Disposal Facility**
Due: 8/31/08
Status: Complete.
- **M-90-11, Complete Canister Storage Facility Construction**
Due: 8/31/10
Status: To Be Missed. To be renegotiated to align with WTP schedule.

II. Significant Accomplishments:

None to report.

III. Significant Planned Actions in the Next Six Months:

None to report.

IV. Issues

None to report.

Milestone M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes

I. Near-Term Deliverables:

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes**
Due: 12/31/2028
Status: To Be Missed.
- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes**
Due: 02/28/2018
Status: To Be Missed.
- **M-62-01R, Submit Semi-Annual Project Compliance Report**
Due: 12/31/2009
Status: Complete.
- **M-62-01S, Submit Semi-Annual Project Compliance Report**
Due: 07/31/2009
Status: Complete.
- **M-62-01T, Submit Semi-Annual Project Compliance Report**
Due: 12/31/2010
Status: Complete.
- **M-62-01U, Submit Semi-Annual Project Compliance Report**
Due: 07/31/2010
Status:
- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility**
Due: 12/31/2007
Status: Missed.
- **M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle**

Due: 06/30/2006

Status: Missed.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant**

Due: 02/28/2009

Status: To Be Missed (based on current DOE Baseline planning).

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant**

Due: 01/31/2011

Status: To Be Missed (based on current DOE Baseline planning).

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline**

Due: 06/30/2007

Status: Missed.

II. Significant Accomplishments:

None to report.

III. Significant Planned Actions in the Next Six Months:

None to report.

IV. Issues:

None

Hanford Waste Treatment and Immobilization Plant (WTP) Project

There are about 3,150 FTE equivalent contractor [Bechtel National Inc. (BNI)] and subcontractor personnel working on the WTP Project, including 918 craft, 406 non-manual, and about 285 subcontractor personnel FTE equivalents working at the WTP construction site (all facilities). Overall project percent complete through March 2010 is 54%, design and engineering is 79% complete, and construction is 50% complete.

The overall WTP Project schedule variance (SV) was positive in April at \$1.7M, the cost variance (CV) was a negative (\$1.5M). The negative CV came from Engineering, and Construction Subcontracts.

Following is the status through the end of April for current project issues:

Material at Risk (MAR)

The MAR/HPAV Integrated Change Package (ICP) Safety Evaluation Report (SER) was approved by the ORP Manager on October 31, 2009, with four Conditions of Acceptance (COA). The four COAs address the following subject areas: (1) Hydrogen in Piping and Ancillary Vessels (HPAV) piping design criteria (Closed in February 2010); (2) BNI to develop a plan and schedule for resolving technical comments on six primary reports referenced in the SER (Completed in December 2009); (3) Develop a plan and schedule for resolving the uncertainties identified in PDSA Addendum Section 2.7 (This COA will not be closed until the uncertainties are adequately resolved and approved by ORP; and (4) BNI will recommend application of seismic criteria for piping performing a safety significant confinement function (Closed in March 2010). The COAs are closed as work is completed, with a completion of all COAs estimated in August 2010. COAs 1 and 4 have been closed. BNI identified six activities for completing the action plan for COA 2 and has completed three of the six through April 19, 2010. BNI identified nine activities for completing the action plan for COA 3 and has completed six of the nine. The ICP approval enables elimination of many active process controls located outside of the hot cell and reclassification of several Safety Class controls to Safety Significant, while retaining a core set of Safety Class controls sufficient to ensure safety for the public and the workers. ORP considers these changes essential to ensuring a more reliable Pretreatment Facility that is critical to fulfilling the tank waste treatment mission, the cornerstone to the cleanup of tank waste at Hanford. The

schedule for completion of the COAs aligns with critical design and procurement need dates, so overall construction schedules are not affected.

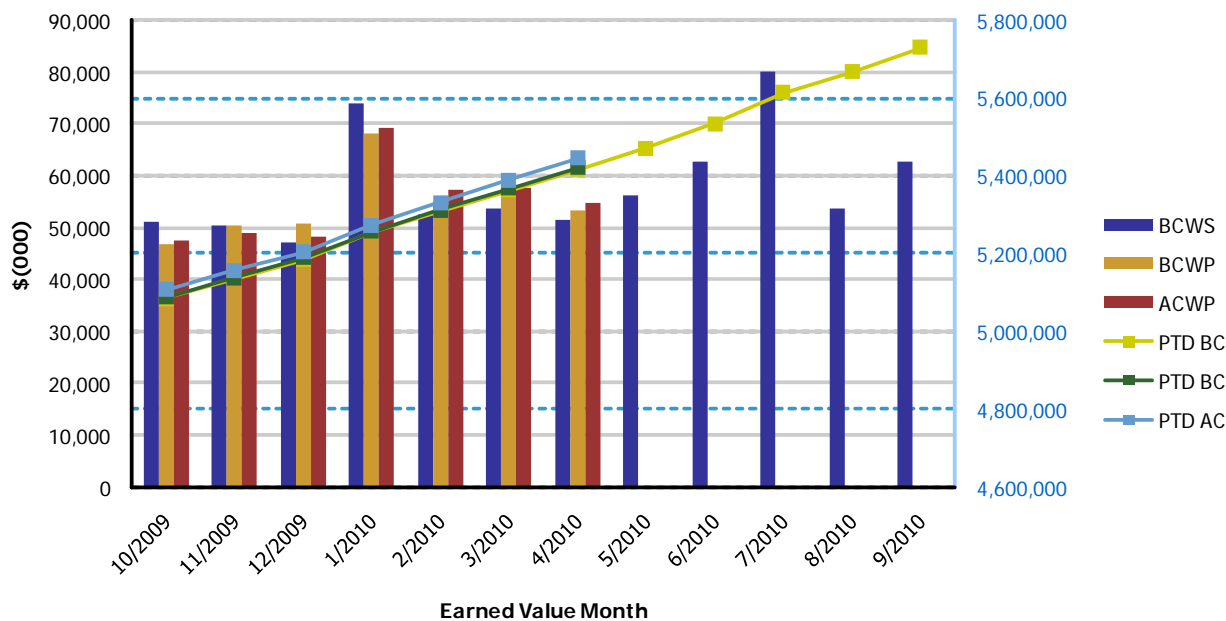
Hydrogen in Piping and Ancillary Vessels (HPAV)

Based on discussions between DOE, BNI and the Defense Nuclear Facility Safety Board (DNFSB), BNI has chartered an independent review team to address Hydrogen in Piping and Ancillary Vessels (HPAV) hazard at the Pretreatment Facility (PTF). The HPAV Review Team (HIRT) will review the design criteria (approved by ORP in February 2010) and proposed implementation methods for evaluating postulated hydrogen events (deflagration and detonation) in piping and ancillary vessels in the PTF. The review is to provide added assurance that the criteria and methods provide a technically defensible, conservative approach to ensure the safety and reliability of the PTF design. An informational meeting of the HIRT was held in Richland, Washington from April 13-16, 2010. The HIRT report documenting their review is expected in July 2010.

WTP – Fiscal Year To-Date Performance

River Protection
01-D-416 - Waste Treatment Plant (WTP) Project

Monthly EVMS Monthly and Project -to-Date (PTD) Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	PTD BCWS	PTD BCWP	PTD ACWP	PTD SPI	PTD CPI
Oct 2009	\$51,264	\$46,742	\$47,659	0.91	0.98	\$5,085,500	\$5,087,621	\$5,107,437	1.00	1.00
Nov 2009	\$50,479	\$50,256	\$48,883	1.00	1.03	\$5,135,979	\$5,137,877	\$5,156,320	1.00	1.00
Dec 2009	\$47,078	\$50,905	\$48,202	1.08	1.06	\$5,183,057	\$5,188,782	\$5,204,522	1.00	1.00
Jan 2010	\$74,085	\$68,098	\$69,303	0.92	0.98	\$5,257,142	\$5,256,880	\$5,273,825	1.00	1.00
Feb 2010	\$52,534	\$55,070	\$57,409	1.05	0.96	\$5,309,676	\$5,311,950	\$5,331,234	1.00	1.00
Mar 2010	\$53,617	\$56,053	\$57,679	1.05	0.97	\$5,363,293	\$5,368,003	\$5,388,913	1.00	1.00
Apr 2010	\$51,463	\$53,194	\$54,714	1.03	0.97	\$5,414,756	\$5,421,197	\$5,443,627	1.00	1.00
May 2010	\$56,209					\$5,470,965				
Jun 2010	\$62,554					\$5,533,519				
Jul 2010	\$80,210					\$5,613,729				
Aug 2010	\$53,782					\$5,667,511				
Sep 2010	\$62,552					\$5,730,063				
FY-To-Date	\$380,520	\$380,318	\$383,849	1.00	0.99					

Pretreatment (PT) Facility – May 2010 Accomplishments (Apr 10 EVM Data)

The PT Facility will separate radioactive tank waste into High-Level Waste (HLW) and Low-Activity Waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Overall facility percent complete is 51%, engineering/design is 79% complete, and construction is 31% complete.

Overall construction has been performing well, especially in the area of concrete and steel installation. Construction installations for the month of May include: 478 cubic yards (CY) of concrete, 195 tons of rebar, 44,185 lbs of embeds and 156 tons of structural steel. Concrete placements that included placement of two walls and two slabs remain ahead of the schedule. The final exterior 4th lift wall was placed this month and only a few interior 4th lift walls remain.

Installation of HVAC ducts continues to support the recovery plan developed to meet the baseline schedule by April 2011. Rebar installation continues to support additional slab placements at the 77-ft elevation. Efforts to erect rebar curtains for 5th lift walls are underway. Structural steel installations continue to progress. Installation of piping and liner plates, welding of vessels in Black Cells; installation of HVAC ductwork, fabrication of rebar curtains, application of Special Protective coatings, and installation of hotcell crane rail girder are on-going.

2,450 ft of piping isometric drawings have been issued this month exceeding the cumulative baseline. C&I issued datasheets for a total of 486 components. Design for the 98-ft concrete slabs between column lines 8 and 17 are frozen. Electrical issued the embedded conduit details for the 5th lift walls. Engineering continues to dedicate a significant amount of resources to support M3 resolution.

Accelerated work continues in the areas of 5th lift wall placements and the installation of piping in various Black Cells. Both of these advancements will reduce future schedule risks, and allow acceleration of some of the future activities. Piping install rates continue to improve over the past months.

Re-analysis and fabrication modifications of vessels due to seismic and other dynamic load increases are ongoing. Additional vendors are being sought to mitigate the BNI resource constraints for the vessel analysis. A total of six bidders were found to be technically capable of performing the intended seismic/functional changes. Design and fabrication of vessels UFP-1A and 1B, and HLP-27A and 27B, is the current critical path for PT. Recently, fabrication for UFP-1A has

been in anticipation of the potential modification that may come from the M3 test results. Work on the other vessels continues. Evaluations of the vendor's schedules are being performed to identify areas where schedule improvements can be achieved. Furthermore, some of the vessel modifications are being contracted out to mitigate the contractor resource constraints and expedite fabrication. Ecology was briefed on June 9, regarding the schedules for the analysis and fabrication of all these vessels. Discussions are ongoing with Ecology regarding the types of permit modifications required for the on-site vessel modifications, and their impacts of the schedule.

On June 1-3, the HPAV Independent Review Team (HIRT) convened in Washington D. C. to discuss the preliminary results from the various sub-group reviews. The team discussed key technical aspects of the HPAV implementation approach they have identified from documentation review, interviews, meetings and independent research as summarized in several draft topical reports. The goal is to prepare a consolidated draft report in time for the next meeting coming up in June 22-23 in Richland. This 13 member team from industry, academia, and national laboratories is reviewing the phenomenology, design criteria and implementation methods for evaluating postulated hydrogen events in piping and ancillary vessels in the PT Facility.

Resolution of the mixing issue (M3) identified by the External Flowsheet Review Team continues. The BNI/ORP Technical Steering Group has formally closed vessel assessments for 24 of 38 vessels. The last 14 vessel assessments are currently planned to be completed in June 2010. Of these 14 vessels, 9 are currently expected to require design modification. Six of these vessels have been installed in the WTP and modification will be performed in conjunction with required seismic modifications. Three are currently in vendor fabrication shops and will be modified prior to delivery to WTP.

Five of the remaining vessels to be assessed are non-Newtonian vessels. These PJM mixed vessels contain the greatest concentration of solids. These were thoroughly tested and considered closed earlier. However, it was determined that re-evaluations may be needed to incorporate the results from the recent testing of the other vessels, and to address the potential for Newtonian fluids in these vessels. BNI has provided the re-assessment for these non-Newtonian vessels, which is undergoing ORP review. BNI has also initiated an independent review of the non-Newtonian vessel assessment by Savannah River National Laboratory to provide input on the assessment to ORP and BNI. The final report from this review will be issued by June 17, 2010. To provide defense-in-depth that the WTP vessels can be operated successfully for the life of WTP,

BNI plans to implement changes to support inspection and heel removal capability in 10 vessels that handle the highest concentration of solids in the WTP Pretreatment facility, and additional ports for monitoring and mitigation of the potential heel development.

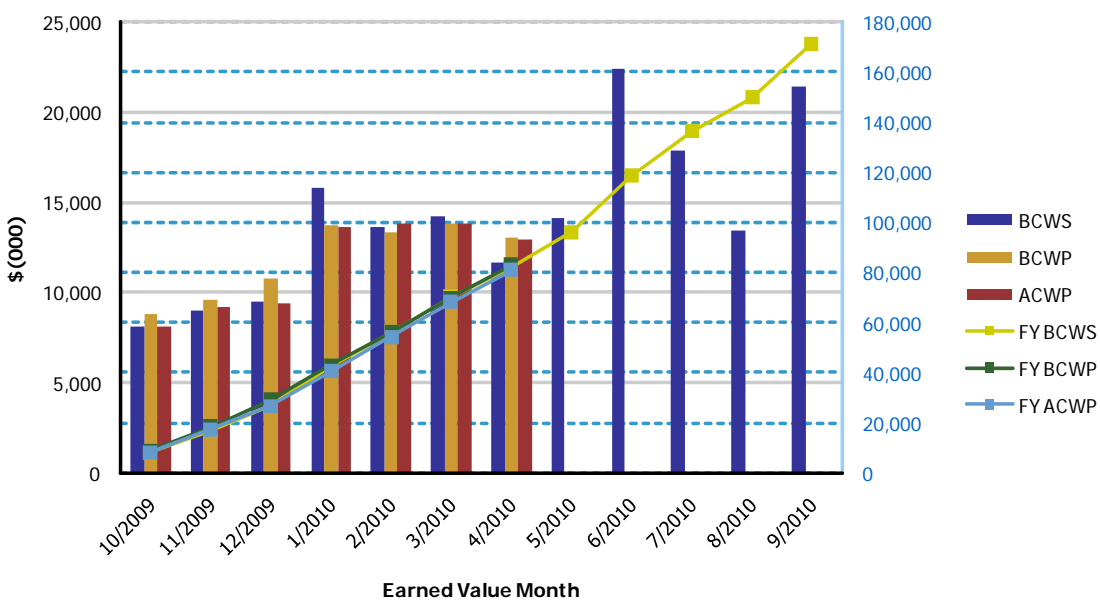
Resolution of major technical issues is inter-related and proper coordination of engineering efforts is needed to minimize the amount of document rework resulting from implementation of technical solutions. The full impact of implementation will not be known until the integrated plans for all currently known technical issues are developed. The completion of these plans is forecasted to be complete in September 2010.

Upcoming significant planned accomplishments for June include closure of M3 mixing issue, completion of the filter cave coupled analysis, fabrication of the Pulse Jet Ventilation Demisters, continue alignment and installation of hot cell crane girders, and placements of two slabs and three walls.

There are no near-term Consent Decree Milestones.

River Protection
01-D-16E - Pretreatment Facility

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$8,121	\$8,762	\$8,153	1.08	1.07	\$8,121	\$8,762	\$8,153	1.08	1.07
Nov 2009	\$8,991	\$9,625	\$9,213	1.07	1.04	\$17,112	\$18,387	\$17,366	1.07	1.06
Dec 2009	\$9,493	\$10,767	\$9,366	1.13	1.15	\$26,605	\$29,154	\$26,732	1.10	1.09
Jan 2010	\$15,776	\$13,724	\$13,599	0.87	1.01	\$42,381	\$42,878	\$40,331	1.01	1.06
Feb 2010	\$13,597	\$13,349	\$13,852	0.98	0.96	\$55,978	\$56,227	\$54,183	1.00	1.04
Mar 2010	\$14,245	\$13,801	\$13,823	0.97	1.00	\$70,223	\$70,028	\$68,006	1.00	1.03
Apr 2010	\$11,668	\$13,040	\$12,983	1.12	1.00	\$81,891	\$83,068	\$80,989	1.01	1.03
May 2010	\$14,163					\$96,054				
Jun 2010	\$22,407					\$118,461				
Jul 2010	\$17,899					\$136,360				
Aug 2010	\$13,441					\$149,801				
Sep 2010	\$21,445					\$171,246				
PTD	\$981,494	\$994,793	\$964,179	1.01	1.03					

High-Level Waste (HLW) Facility – May 2010 Accomplishments (Apr 10 EVM Data)

The HLW Facility will receive the high-level waste fraction from the Pretreatment (PT) Facility. The concentrate is sampled and analyzed to determine the optimum blend of glass formers to add to the waste that will produce a vitrified waste form that is compliant with disposal requirements and will also meet the required production rate. The blended slurry is converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters for cooling. The canisters are sealed and moved to a decontamination cell where any surface contamination is removed prior to shipment to interim or final storage. HLW engineering design is 84% complete and construction is 26% complete. The overall facility is 51% complete.

The contractor continues to maintain the schedule for the HLW Facility/WTP Project critical path to complete build-out of the Filter Cave. The Filter Cave contains the HLW Facility's primary ventilation (C5V) HEPA filtration units, as well as the pulse jet vent, and melter off-gas HEPA filter systems. These HEPA filters will be replaced remotely via a crane operated power manipulator. The secondary C5V HEPA filters are being converted to "safe-change" units in order to safely maintain facility ventilation in case of a Filter Cave crane failure or fire. BNI engineering completed the support steel design for the HEPA housings in mid-April. The seismic analysis for the HEPA Housings is continuing at the vendor's subcontractor. The vendor for the remote operated dampers has completed their preliminary designs and will begin their seismic analysis when the bounding nozzle loads have been established from the HEPA Housing analysis. BNI civil and structural engineers are continuing the coupled analysis of the large bore ducting/piping and are scheduled to complete in early June.

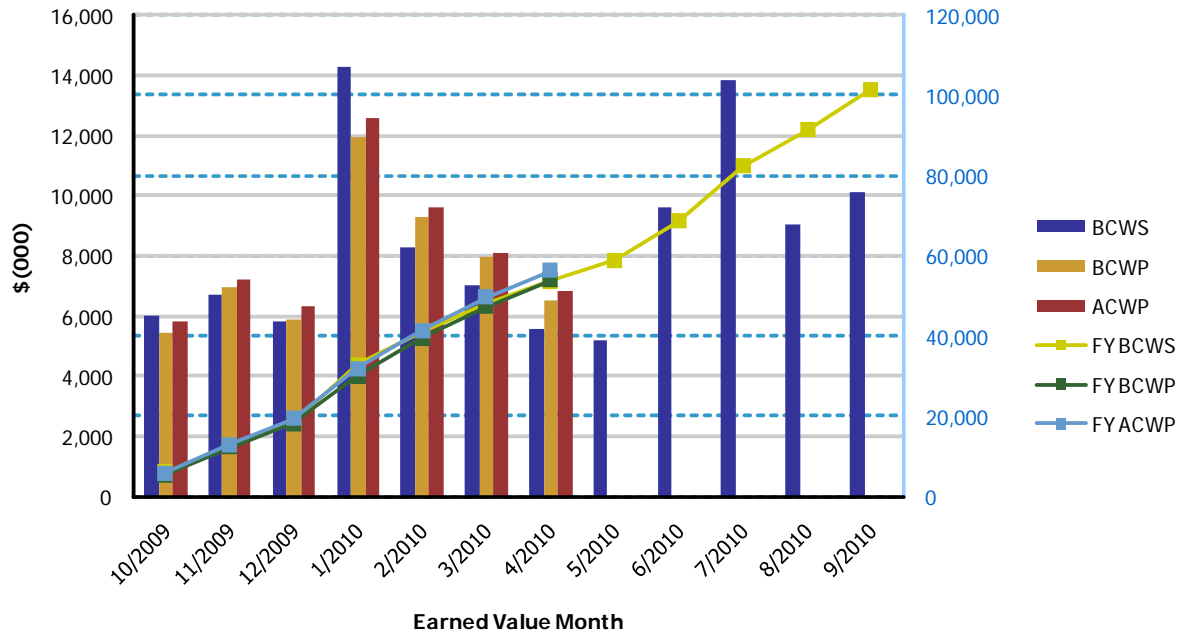
On April 22, 2010 construction completed the major installation of the first of six shield doors (three for each melter cave). The 50-ton steel C5 shield door, HMM-DOOR-00010 for Melter Cave #1, is 15-feet tall x 18-feet wide and eight inches thick. The C5 shield door is closest to the melter and provides the primary protection from radiation for operators as well as containment of contamination from the Melter Cave. Precision optics were needed to set the door within extremely tight tolerances - down to five-thousandths of an inch. The shield door's positioning was verified using laser tracking technology initially developed for the aerospace industry. The matching C5 shield door for Melter Cave #2, HMM-DOOR-00015, was delivered to the site in April and is currently staged near the facility for installation later this year.

In April, construction completed the placement of five walls and one slab for a total of 1089 cubic yards (CY) of concrete. The last remaining elevation +14' concrete slab (2020A) was placed on March 30, 2010. In May, construction plans to complete six more concrete placements (three slabs and three walls) for a total of 531 CY. One of the placements, slab 3001 at the northern end of the annex, is the first concrete placement at the +37' elevation. This placement is scheduled to be completed in early May. Other construction activities in the HLW Facility include:

- At the +37' elevation, workers continued installing slab decking, rebar, embeds, and forms in the annex area.
- At the +14' elevation, iron workers continued to install rebar and embeds. Carpenters continued working on forms and shoring at multiple locations. Crews continued installing embeds, pipe sleeves, and hangers.
- At the +0' elevation, pipefitters continued installing piping and supports. Painters applied coatings in the annex area. Iron workers installed steel and rebar for the canister export truck bay exterior walls. Millwrights completed the installation of the C5 shield door lower rails and the door guide/header in Melter Cave #1 (for HMM-DOOR-00010). Crews continued installing fire protection piping in the west corridor near the annex and in the southwest corridors.
- At the -21' elevation, crews continued installing piping for the -903 and -904 condensate collection vessels and duct near the silver mordenite columns. Crews began installing HVAC supports/ductwork and firewater piping in the central corridors. Subcontractors continued installing liner plate in the Wet Cell and Rinse Tunnel.

River Protection
01-D-16D - High-Level Waste Facility

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2009	\$6,029	\$5,415	\$5,799	0.90	0.93	\$6,029	\$5,415	\$5,799	0.90	0.93
Nov 2009	\$6,675	\$6,939	\$7,190	1.04	0.97	\$12,704	\$12,354	\$12,989	0.97	0.95
Dec 2009	\$5,810	\$5,887	\$6,316	1.01	0.93	\$18,514	\$18,241	\$19,305	0.99	0.94
Jan 2010	\$14,300	\$11,915	\$12,602	0.83	0.95	\$32,814	\$30,156	\$31,907	0.92	0.95
Feb 2010	\$8,283	\$9,263	\$9,594	1.12	0.97	\$41,097	\$39,419	\$41,501	0.96	0.95
Mar 2010	\$7,007	\$7,936	\$8,065	1.13	0.98	\$48,104	\$47,355	\$49,566	0.98	0.96
Apr 2010	\$5,555	\$6,519	\$6,811	1.17	0.96	\$53,659	\$53,874	\$56,377	1.00	0.96
May 2010	\$5,203					\$58,862				
Jun 2010	\$9,631					\$68,493				
Jul 2010	\$13,855					\$82,348				
Aug 2010	\$9,018					\$91,366				
Sep 2010	\$10,133					\$101,499				

PTD	\$646,638	\$645,957	\$633,619	1.00	1.02
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Low-Activity Waste (LAW) Facility – May 2010 Accomplishments (Apr 10 EVM Data)

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel containers that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 69%, engineering is 91%, and construction is 59%.

BNI received and is evaluating bids for the LAW Offgas system exhausters. BNI expects to complete the evaluation process in June. BNI extended the due date for bids on the Thermo Catalytic Oxidizer to June 30th in order to increase the number of bidders.

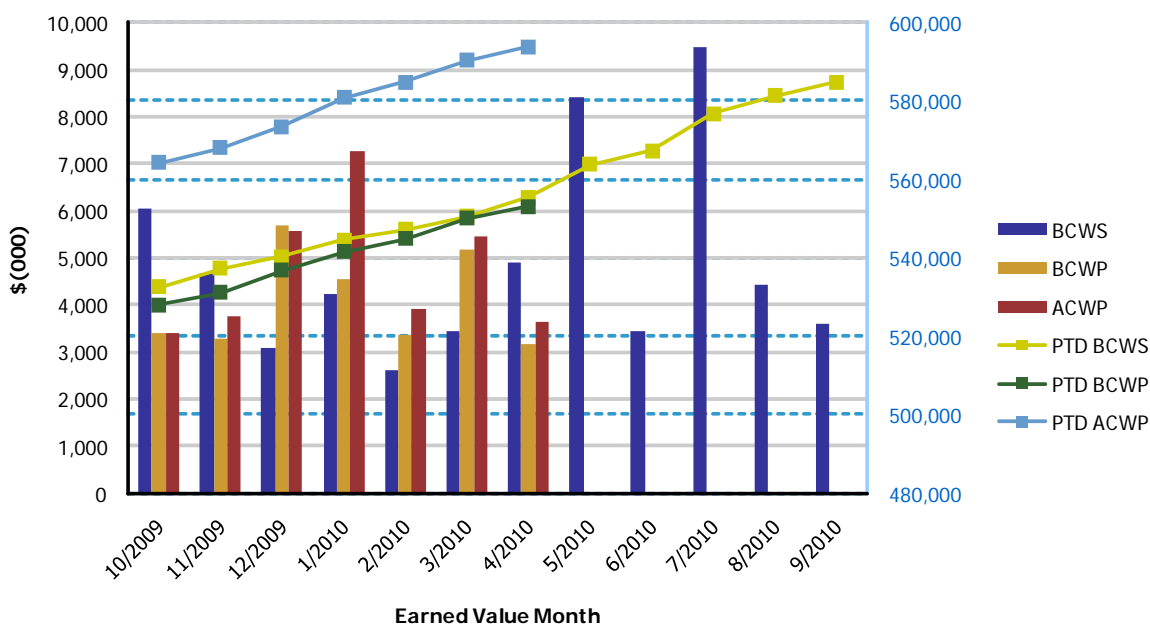
Construction completed installing exterior wall siding on the elevator penthouse. Construction continued installing: piping and hangers, conduit, cable tray, instrument enclosures and lighting fixtures, gypsum wallboard, perimeter sealants, and grillage and liner plate. BNI transmitted to ORP a report on the most cost effective method for the LAW Annex, Truck Bay and Import Bay roofs issue resolution. BNI's analysis determined the most cost effective approach would be to remove the exterior roof/insulation, install a thermal barrier and then reinstall the roof. This path forward achieves compliance with DOE O 420.1B and DOE-STD-1066 and satisfies the objectives of the fire protection program. The work will occur during the 2010-2011 timeframe and take approximately three to six months. Completion of this work will not impact other construction schedule activities, construction completion dates, milestones, or critical path.

BNI and their subcontractor have determined a path forward on the Melter Pour Cave Equipment and have started the detailed design work. BNI anticipates completion of the detailed design modification and analysis work by September 2010.

Melter 2 lid and balance of components fabrication completion is scheduled for June 2010.

River Protection
01-D-16A - Low-Activity Waste Facility

Facility Specific (unallocated) Monthly and Project-to-Date (PTD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	PTD BCWS	PTD BCWP	PTD ACWP	PTD SPI	PTD CPI
Oct 2009	\$6,032	\$3,420	\$3,401	0.57	1.01	\$532,555	\$527,940	\$564,230	0.99	0.94
Nov 2009	\$4,657	\$3,275	\$3,738	0.70	0.88	\$537,212	\$531,215	\$567,968	0.99	0.94
Dec 2009	\$3,082	\$5,679	\$5,577	1.84	1.02	\$540,294	\$536,894	\$573,545	0.99	0.94
Jan 2010	\$4,215	\$4,555	\$7,254	1.08	0.63	\$544,509	\$541,449	\$580,799	0.99	0.93
Feb 2010	\$2,618	\$3,342	\$3,910	1.28	0.85	\$547,127	\$544,791	\$584,709	1.00	0.93
Mar 2010	\$3,428	\$5,165	\$5,459	1.51	0.95	\$550,555	\$549,956	\$590,168	1.00	0.93
Apr 2010	\$4,901	\$3,170	\$3,651	0.65	0.87	\$555,456	\$553,126	\$593,819	1.00	0.93
May 2010	\$8,404					\$563,860				
Jun 2010	\$3,430					\$567,290				
Jul 2010	\$9,468					\$576,758				
Aug 2010	\$4,438					\$581,196				
Sep 2010	\$3,584					\$584,780				

FY- To-Date	✓	\$28,933	\$28,606	\$32,990	0.99	0.87
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Analytical Laboratory (LAB) – May 2010 Accomplishments (Apr 10 EVM Data)

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. Overall facility complete for LAB is 50%, engineering is 81%, and construction is 64%.

Construction completed the commercial HVAC equipment installation. Construction began installing the waste drum bogie/transfer hatch. Construction continued installing HEPA filters, piping and hangers, conduit, gypsum wall board, lighting and electrical equipment, and steam piping.

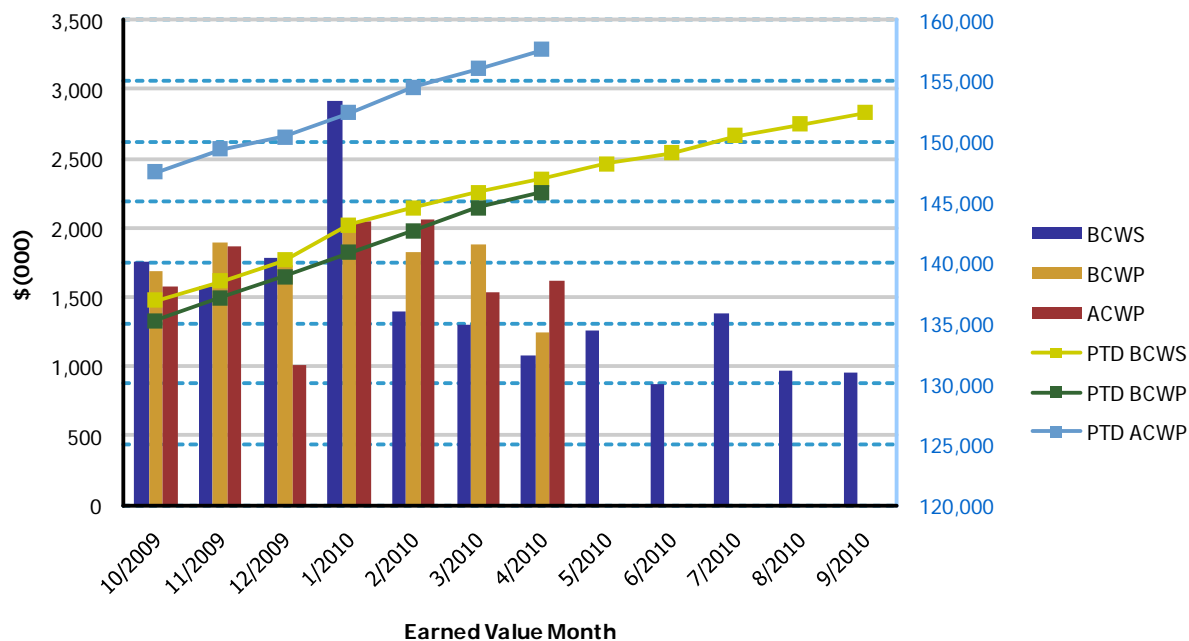
BNI engineering continues to work on confirming design assumptions and is still on schedule for completion of Confirmed Design (incorporating vendor information) in November 2010.

BNI transmitted to ORP the report on the most cost effective method for LAB roof issue resolution. BNI's cost analysis showed that the most cost effective option, which achieves compliance and satisfies the fire protection program objectives, is to implement a design modification to the C5 HEPA Filter Area and document the basis and justification for achieving the objectives of Highly Protected Risk (HPR) with the existing LAB roof, as well as achieving the DOE-STD-1066 Maximum Possible Fire Loss (MPFL) requirement. The scope of the LAB upgrade is to add a 2-hour rated upper boundary above the C5 HEPA Filter room and fireproof the roof trusses in an area encompassing the C5 HEPA Filter room. BNI's plan is to execute work during the 2010-2011 timeframe, with duration of 3-6 months. Work coordination will be crucial to prevent impact to other construction activity completion dates. There are no anticipated impacts to LAB milestones or critical path. BNI's first major activity is to conduct Integrated Safety Meetings on the protection of the C5 HEPA Filter Area.

Process engineering confirmed design is scheduled for completion in June 2010.

River Protection 01-D-16B - Analytical Laboratory

Facility Specific (unallocated) Monthly and Project-to-Date (PTD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	PTD BCWS	PTD BCWP	PTD ACWP	PTD SPI	PTD CPI
Oct 2009	\$1,756	\$1,681	\$1,579	0.96	1.06	\$136,852	\$135,189	\$147,453	0.99	0.92
Nov 2009	\$1,583	\$1,896	\$1,864	1.20	1.02	\$138,435	\$137,085	\$149,317	0.99	0.92
Dec 2009	\$1,779	\$1,735	\$1,015	0.98	1.71	\$140,213	\$138,820	\$150,332	0.99	0.92
Jan 2010	\$2,916	\$1,993	\$2,040	0.68	0.98	\$143,129	\$140,813	\$152,372	0.98	0.92
Feb 2010	\$1,397	\$1,826	\$2,057	1.31	0.89	\$144,526	\$142,639	\$154,429	0.99	0.92
Mar 2010	\$1,296	\$1,881	\$1,539	1.45	1.22	\$145,822	\$144,520	\$155,968	0.99	0.93
Apr 2010	\$1,076	\$1,251	\$1,612	1.16	0.78	\$146,898	\$145,771	\$157,580	0.99	0.93
May 2010	\$1,265					\$148,163				
Jun 2010	\$876					\$149,039				
Jul 2010	\$1,377					\$150,416				
Aug 2010	\$970					\$151,386				
Sep 2010	\$949					\$152,335				

FY - To-Date	✓ \$11,803	\$12,263	\$11,706	1.04	1.05
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Balance of Facilities (BOF) – May 2010 Accomplishments (Apr 10 EVM Data)

BOF provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete for BOF is 54%, engineering is 81%, and construction is 57%.

Construction completed installing transporter/blender cones and two and three way switches at the Glass Former Storage Facility. Construction activities for May were mainly focused on trench work, Water Treatment Facility (WTF), Glass Former Storage Facility, and the Chiller Compressor Plant

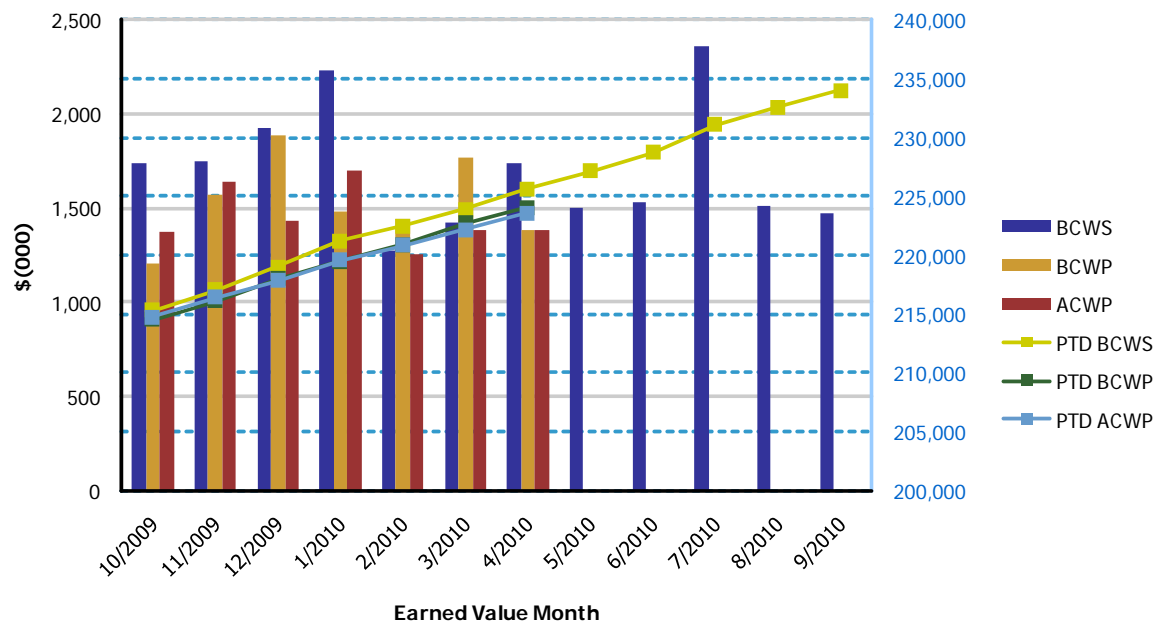
The main engineering and procurement focus is on the Emergency Diesel Generator (EDG). The EDG procurement is on hold for up to 90 days to allow any M3 issue resolution impacts to be better understood. The EDG procurement documents are ready for issue. The anticipated lift of the hold slipped from May to June. BNI has prepared a draft report on the M3 impacts to other systems which shows that no additional EDG capacity is required.

ORP continues to work with the Tank Farms Operating Contracting (TOC) to analyze and prepare viable options for upgrading the A6 Substation to deliver up to 70 MW under worst case substation configuration. WRPS is still on track to send the report to ORP by June 30, 2010.

The Emergency Diesel Generators Request for Proposals is scheduled to be released in June 2010.

River Protection
01-D-16C - Balance of Facilities

Facility Specific (unallocated) Monthly and Project-to-Date (PTD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	PTD BCWS	PTD BCWP	PTD ACWP	PTD SPI	PTD CPI
Oct 2009	\$1,733	\$1,205	\$1,374	0.70	0.88	\$215,317	\$214,523	\$214,779	1.00	1.00
Nov 2009	\$1,752	\$1,567	\$1,636	0.89	0.96	\$217,069	\$216,090	\$216,415	1.00	1.00
Dec 2009	\$1,921	\$1,889	\$1,428	0.98	1.32	\$218,990	\$217,979	\$217,843	1.00	1.00
Jan 2010	\$2,233	\$1,482	\$1,700	0.66	0.87	\$221,223	\$219,461	\$219,543	0.99	1.00
Feb 2010	\$1,279	\$1,442	\$1,258	1.13	1.15	\$222,502	\$220,903	\$220,801	0.99	1.00
Mar 2010	\$1,426	\$1,771	\$1,383	1.24	1.28	\$223,928	\$222,674	\$222,184	0.99	1.00
Apr 2010	\$1,733	\$1,387	\$1,382	0.80	1.00	\$225,661	\$224,061	\$223,566	0.99	1.00
May 2010	\$1,499					\$227,160				
Jun 2010	\$1,531					\$228,691				
Jul 2010	\$2,356					\$231,047				
Aug 2010	\$1,513					\$232,560				
Sep 2010	\$1,467					\$234,027				

FY- To-Date	▲ \$12,077	\$10,743	\$10,161	0.89	1.06
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Waste Treatment Plant Project - Percent Complete Status Through April 2010									
(Dollars - Millions)	Overall Facility Percent Complete Allocated Dollars			Design/Engineering Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	1,694.1	1,170.0	69%	210.4	191.3	91%	300.7	178.0	59%
Analytical Lab	633.0	319.6	50%	49.6	40.0	81%	85.2	54.8	64%
Balance of Facilities	988.9	529.6	54%	69.0	56.0	81%	219.8	125.4	57%
High-Level Waste	2,599.8	1,330.1	51%	320.7	269.4	84%	511.3	136.6	27%
Pretreatment	4,097.9	2,071.9	51%	601.5	473.0	79%	816.8	250.6	31%
Shared Services	incl. above	incl. above	incl. above	1,065.8	809.6	76%	1,340.6	905.0	68%
Undistributed Budget	6.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,019.8	5,421.2	54%	2,317.0	1,839.3	79%	3,274.4	1,650.4	50%

Source: WTP Contract Performance Report

Note: Starting with the June 2009 report, facility Construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase I of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values.

ORP Project Managers Meeting
June 22, 2010
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Administrative Record Items

(2 pages including this coversheet)

ORP Project Managers Meeting
June 22, 2010
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

6-22-10

Status of Red-Tagged Piping in PT

Following are the various categories of Red-tagged piping, and their status. None of these are affecting piping installation. Significant piping backlog exists. Construction team reviews the affected piping routinely, and provides priorities for the engineering disposition:

- Black Cell/Hard-to-Reach NCR's/CDR's :
 - 392 total spools rejected, final disposition approved, and on re-order (z spool types)
 - NCR's-05-180, -07-266, -07-267, -08-066, -08-067, -08-100, -08-211
 - CDR's-07-400, -07-418, -08-161, -08-163, -08-456, -08-461
 -
- Seismic NCR was written on 12,000 piping spools:
 - ~ 8300 piping isos have been re-evaluated and dispositioned as acceptable, with some hanger modifications.
 - ~ 3700 isos are yet to be reviewed
 - NCR-05-197-3
 -
- CGD NCR was written on 18,382 piping spools
 - ~ 5500 piping spools have been dispositioned and accepted.
 - Approx. 12,884 spools awaiting final disposition
 - NCR-09-318
 -
- Jet Pump Pairs (Ejectors) CDR's/NCR's
 - Approx. 170 ejectors with various disposition status ranging from replacing with different model number, to upgrading quality level CM (CGD). If cannot be upgraded, many will require cutting 4 spools off each ejector.
 - NCR's-06-059, -08-132, -09-120, -09-307, and CDR's-06-009, -06-217
 -
- Other Miscellaneous NCR's/CDR's
 - 12 CDR's to implement pipe or support rework
 - 1 CDR needs Final Disposition (-08-278)
 - 15 NCR's to implement pipe or support rework
 - 2 NCR's needs Final Disposition (-09-019, -10-027)